

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005309.D
 Acq On : 12 Oct 2018 23:11
 Operator : JC/MD
 Sample : VX1012MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 1:58:32 PM

Quant Time: Oct 13 05:01:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	290885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360677	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189038	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	157482	48.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	5.50	113	127127	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	8.71	98	431397	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.14	95	157093	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	46173	20.30	ug/l	92
3) Chloromethane	1.32	50	61577	18.69	ug/l	96
4) Vinyl Chloride	1.40	62	63775	19.10	ug/l	98
5) Bromomethane	1.64	94	35742	19.32	ug/l	93
6) Chloroethane	1.72	64	39079	18.85	ug/l #	87
7) Trichlorofluoromethane	1.93	101	86023	19.31	ug/l #	82
8) Diethyl Ether	2.19	74	35008	18.40	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	49155	19.12	ug/l	94
10) Methyl Iodide	2.51	142	54097	20.72	ug/l	96
11) Tert butyl alcohol	3.07	59	86883	95.41	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50087	19.66	ug/l	82
13) Acrolein	2.29	56	53094	89.98	ug/l	90
14) Allyl chloride	2.73	41	104151	18.62	ug/l	96
15) Acrylonitrile	3.15	53	195482	94.73	ug/l	97
16) Acetone	2.45	43	177864	95.29	ug/l	97
17) Carbon Disulfide	2.57	76	138242	17.91	ug/l #	92
18) Methyl Acetate	2.78	43	105881	19.94	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	175910	19.60	ug/l	99
20) Methylene Chloride	2.85	84	57934	20.53	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	51564	18.26	ug/l	95
22) Diisopropyl ether	3.87	45	195102	20.77	ug/l #	95
23) Vinyl Acetate	3.82	43	765498	93.22	ug/l	97
24) 1,1-Dichloroethane	3.70	63	103939	19.30	ug/l	97
25) 2-Butanone	4.70	43	262400	96.08	ug/l	97
26) 2,2-Dichloropropane	4.57	77	60233	14.96	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	61948	20.19	ug/l	97
28) Bromochloromethane	5.02	49	45278	18.45	ug/l	96
29) Tetrahydrofuran	5.16	42	166168	95.39	ug/l	95
30) Chloroform	5.21	83	100568	20.12	ug/l	88
31) Cyclohexane	5.58	56	83673	18.85	ug/l #	90
32) 1,1,1-Trichloroethane	5.49	97	83965	19.31	ug/l	99
36) 1,1-Dichloropropene	5.80	75	72743	20.82	ug/l	97
37) Ethyl Acetate	4.86	43	95581	21.28	ug/l	98
38) Carbon Tetrachloride	5.78	117	70711	20.15	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	68211	18.04	ug/l	95
40) Benzene	6.15	78	219070	20.91	ug/l	95
41) Methacrylonitrile	5.06	41	54145	22.48	ug/l	94
42) 1,2-Dichloroethane	6.20	62	77085	20.83	ug/l	98
43) Isopropyl Acetate	6.47	43	125304	20.94	ug/l	98
44) Trichloroethene	7.21	130	52105	19.09	ug/l	95
45) 1,2-Dichloropropane	7.51	63	50347	19.59	ug/l	96
46) Dibromomethane	7.66	93	32931	19.41	ug/l	98
47) Bromodichloromethane	7.90	83	62546	19.93	ug/l	98
48) Methyl methacrylate	7.77	41	60148	19.38	ug/l	96
49) 1,4-Dioxane	7.76	88	29364	410.20	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	425256	102.63	ug/l	94
52) Toluene	8.79	92	119178	20.79	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	65099	19.17	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	71371	19.40	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	49306	20.31	ug/l	97
56) Ethyl methacrylate	9.18	69	70973	20.05	ug/l	94
57) 1,3-Dichloropropane	9.37	76	82630	20.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	211161	106.37	ug/l	96
59) 2-Hexanone	9.49	43	337343	101.21	ug/l	93
60) Dibromochloromethane	9.59	129	50084	19.95	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51311	20.14	ug/l	100
64) Tetrachloroethene	9.34	164	54484	20.01	ug/l	98
65) Chlorobenzene	10.14	112	136537	18.98	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	48769	19.02	ug/l	99
67) Ethyl Benzene	10.25	91	221362	18.93	ug/l	97
68) m/p-Xylenes	10.36	106	174859	38.52	ug/l	94
69) o-Xylene	10.70	106	83249	19.02	ug/l	97
70) Styrene	10.71	104	141052	19.59	ug/l	97
71) Bromoform	10.86	173	41226	18.00	ug/l #	98
73) Isopropylbenzene	11.02	105	228789	20.36	ug/l	99
74) N-amyl acetate	10.90	43	103090	19.02	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	79614	18.78	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	74833m	20.41	ug/l	
77) Bromobenzene	11.26	156	63151	19.65	ug/l	100
78) n-propylbenzene	11.36	91	261817	20.25	ug/l	99
79) 2-Chlorotoluene	11.42	91	157870	19.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	196259	20.39	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	20191	16.73	ug/l	97
82) 4-Chlorotoluene	11.51	91	186395	19.85	ug/l	99
83) tert-Butylbenzene	11.77	119	189446	19.44	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	201794	20.38	ug/l	98
85) sec-Butylbenzene	11.94	105	231096	20.04	ug/l	98
86) p-Isopropyltoluene	12.07	119	209192	20.07	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	116240	19.36	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	116469	18.96	ug/l	98
89) n-Butylbenzene	12.39	91	175317	18.52	ug/l	97
90) Hexachloroethane	12.60	117	32284	17.97	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	116284	18.98	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19177	18.55	ug/l	97

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VX1012MBS01

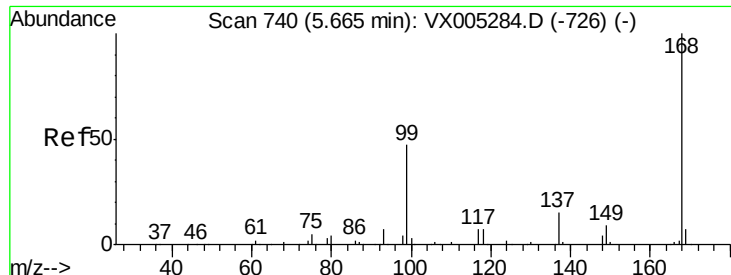
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85362	18.99	ug/l	98
94) Hexachlorobutadiene	13.78	225	43960	18.52	ug/l	98
95) Naphthalene	13.83	128	258620	19.84	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	89616	19.48	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



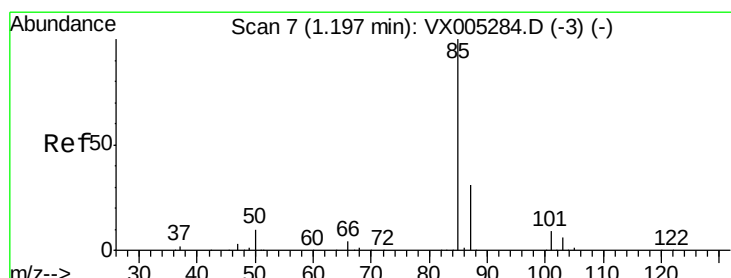
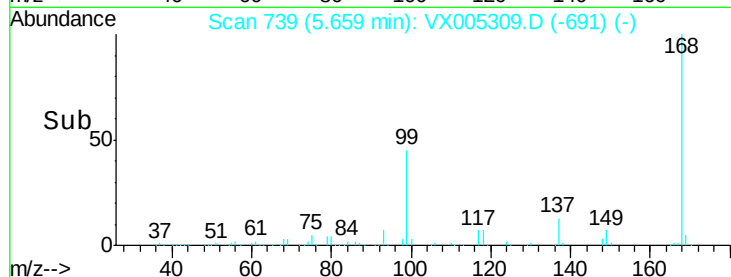
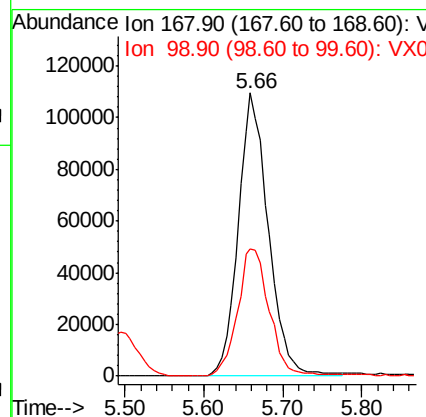
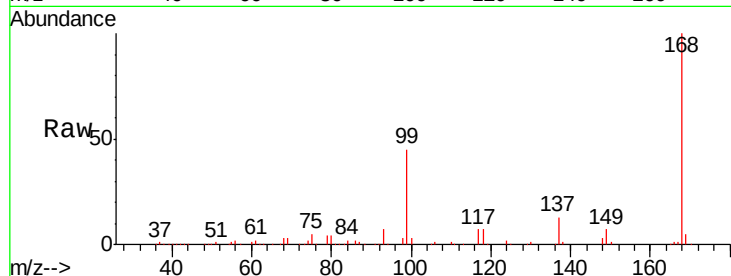
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	290885		
99	44.7	39.9	59.9	

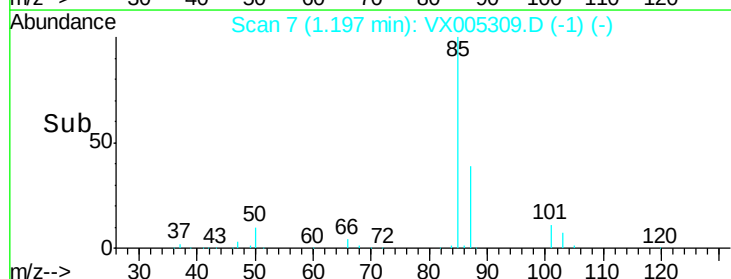
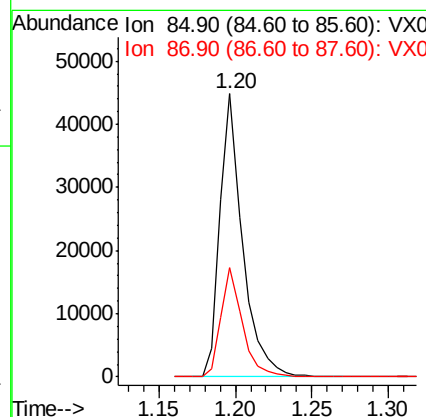
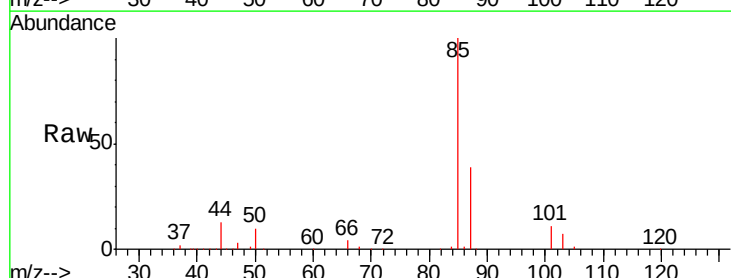
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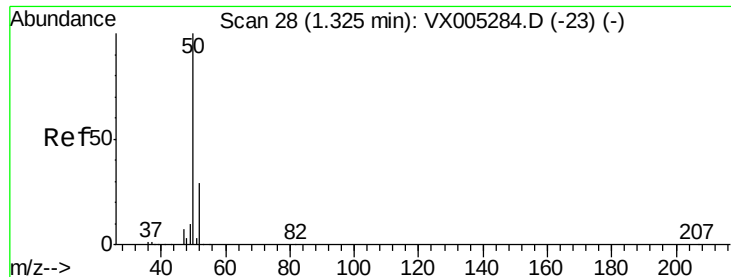
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#2
Dichlorodifluoromethane
Concen: 20.30 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	46173		
87	38.6	17.0	50.9	





#3

Chloromethane

Concen: 18.69 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tgt Ion: 50 Resp: 61577

Ion Ratio Lower Upper

50 100

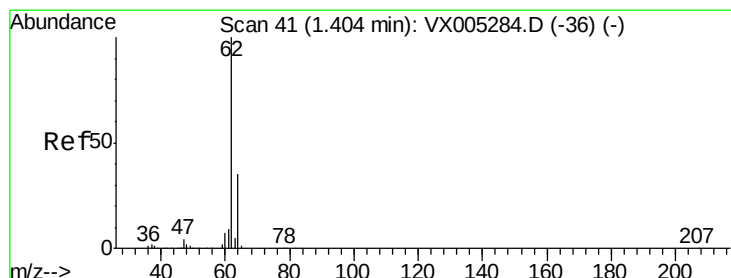
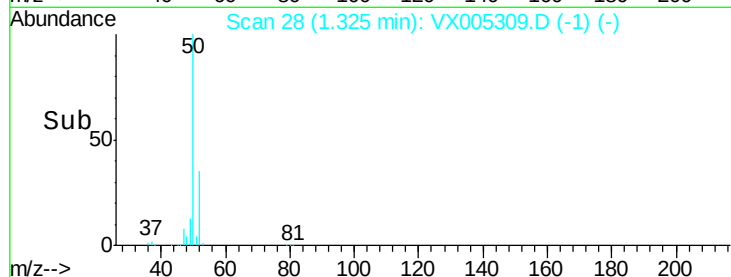
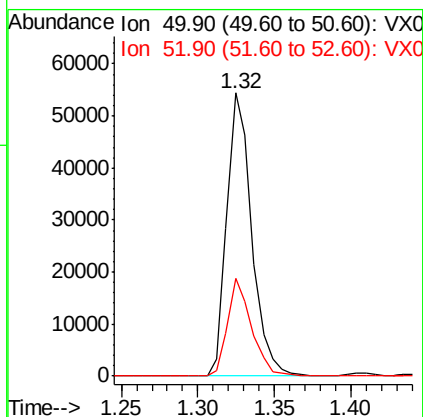
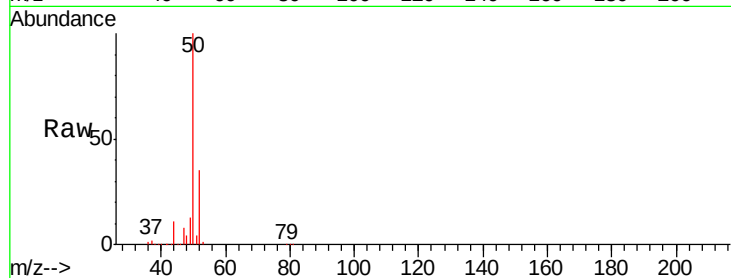
52 34.7 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.10 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005309.D

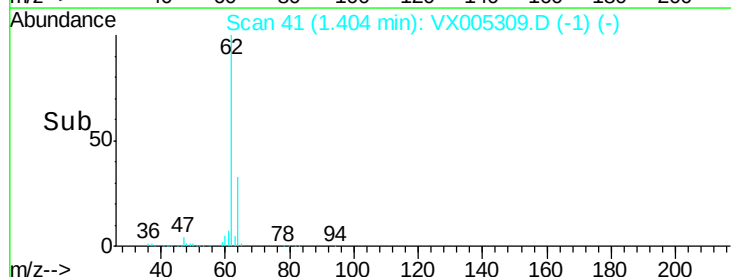
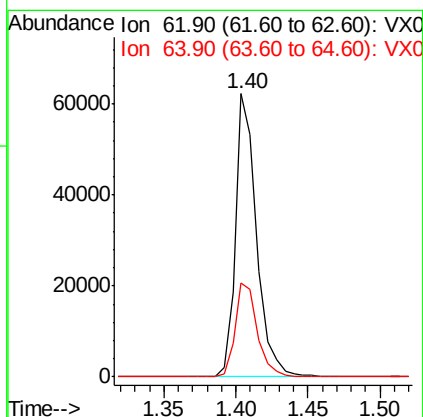
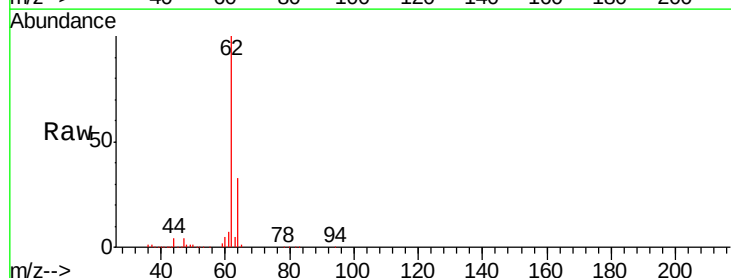
Acq: 12 Oct 2018 23:11

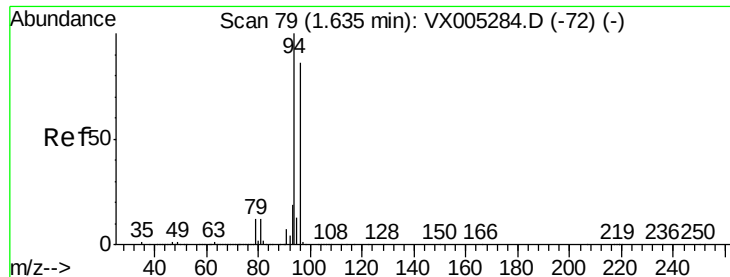
Tgt Ion: 62 Resp: 63775

Ion Ratio Lower Upper

62 100

64 33.1 25.8 38.8





#5

Bromomethane

Concen: 19.32 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tgt Ion: 94 Resp: 35742

Ion Ratio Lower Upper

94 100

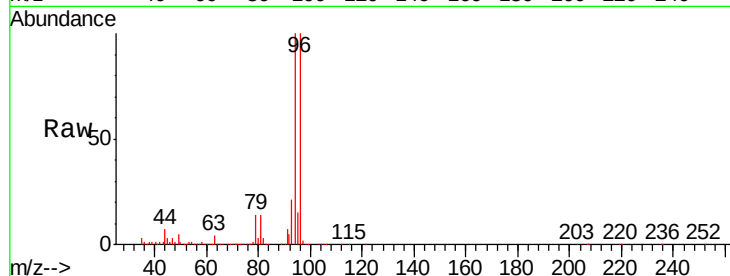
96 99.7 74.5 111.7

Manual Integrations

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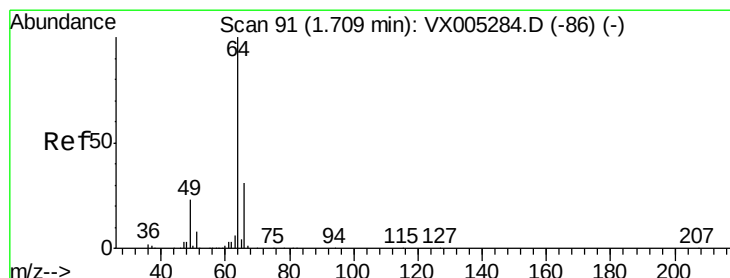
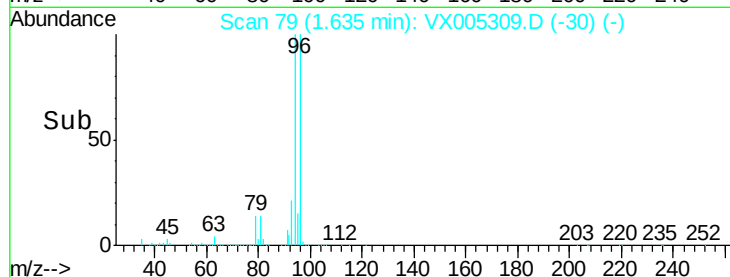
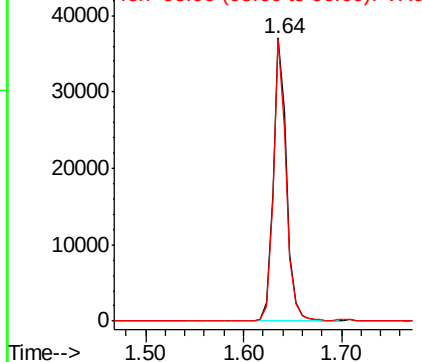
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.85 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005309.D

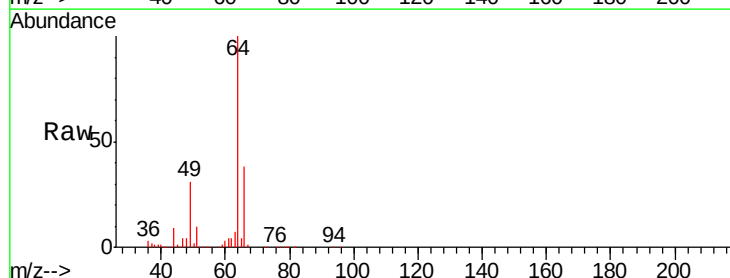
Acq: 12 Oct 2018 23:11

Tgt Ion: 64 Resp: 39079

Ion Ratio Lower Upper

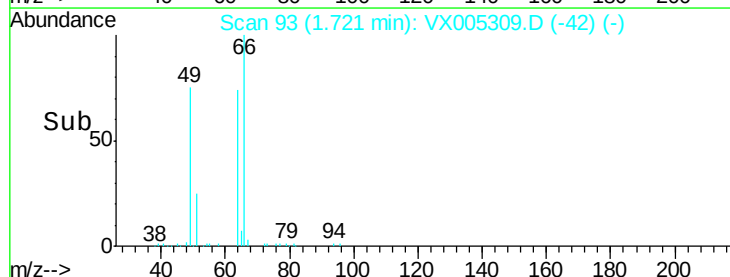
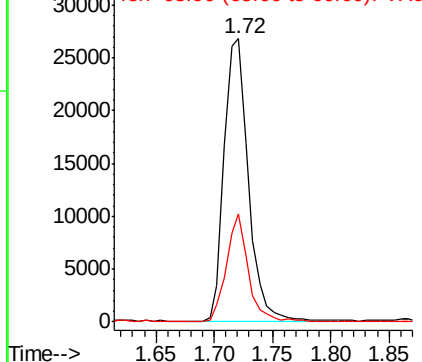
64 100

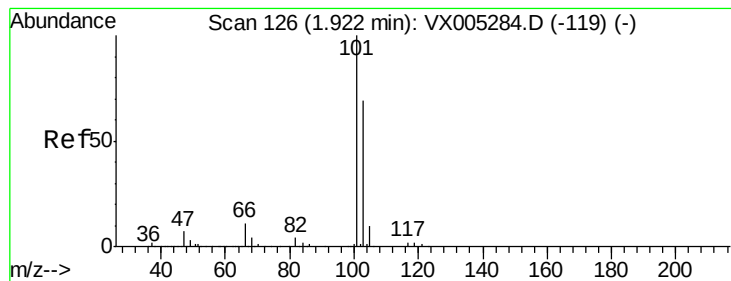
66 38.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

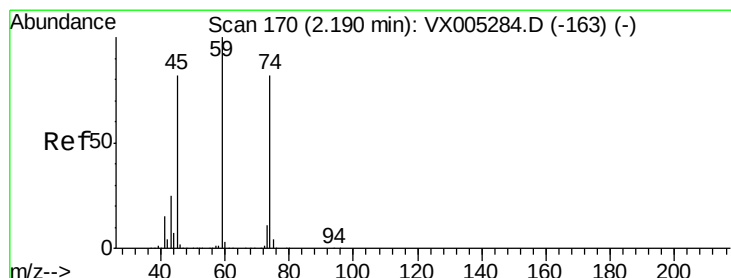
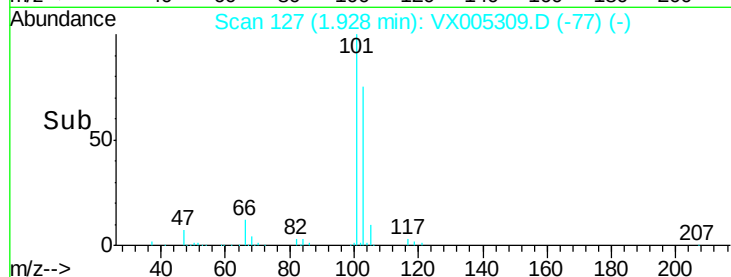
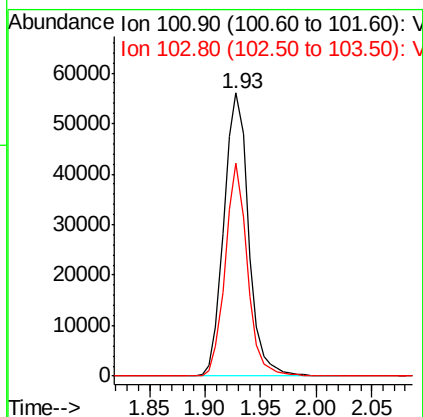
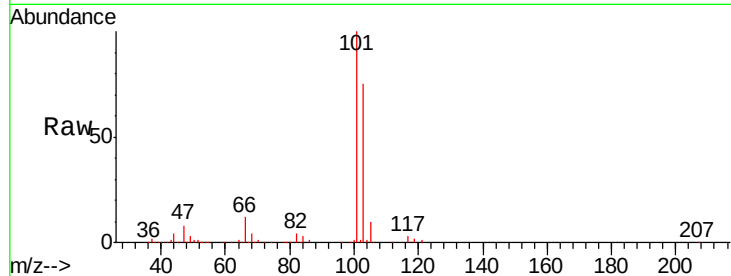
Trichlorofluoromethane
 Concen: 19.31 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	86023		
103	75.1	48.9	73.3#	

Manual Integrations
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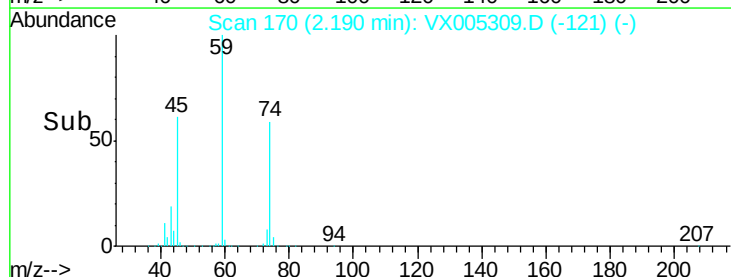
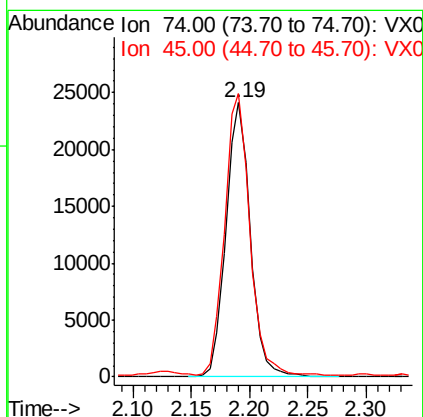
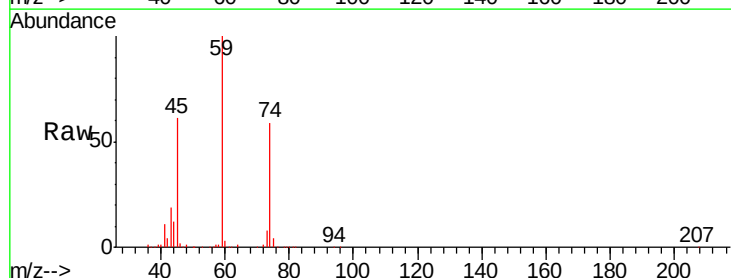
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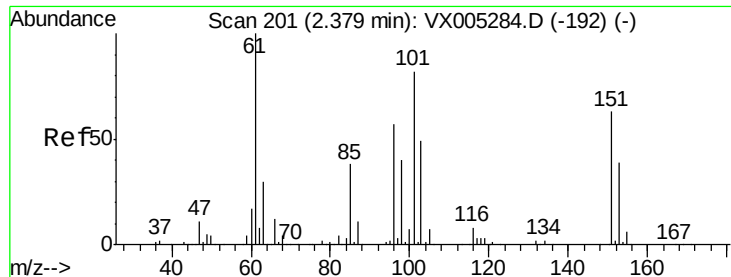


#8

Diethyl Ether
 Concen: 18.40 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	35008		
45	105.7	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.12 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

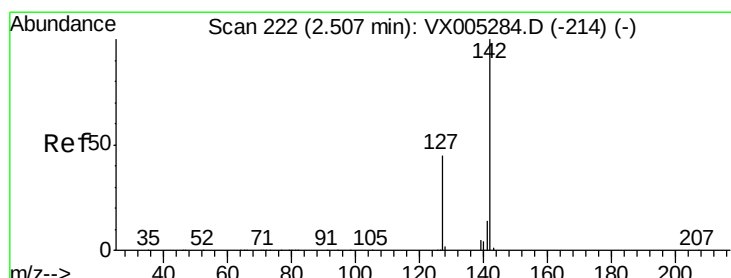
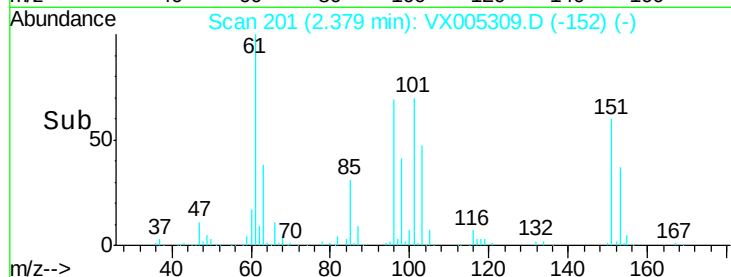
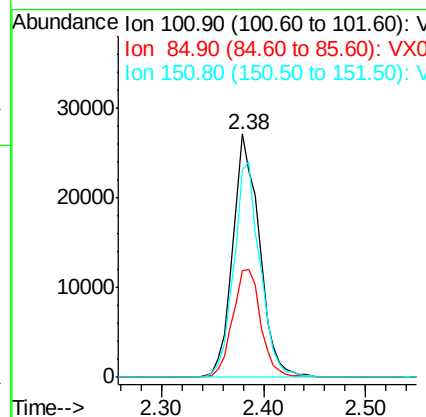
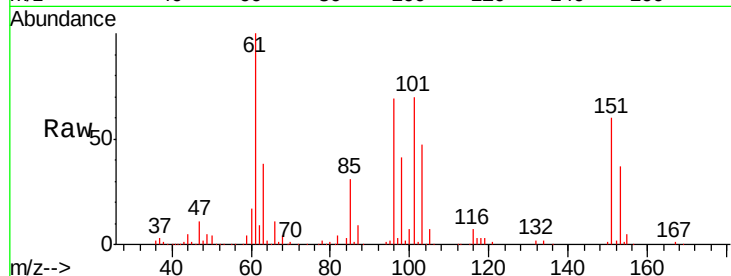
ClientSampleId :

VX1012MBS01

Tgt Ion:	101	Resp:	49155
Ion Ratio	Lower	Upper	
101	100		
85	46.7	34.2	51.4
151	87.1	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.72 ug/l

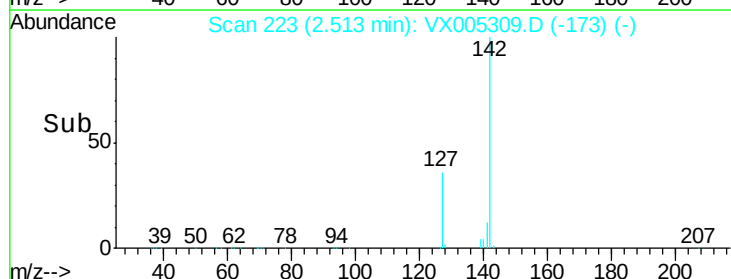
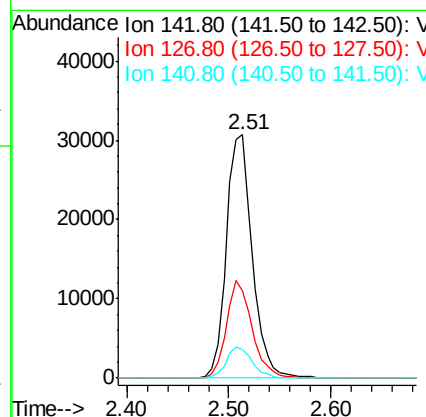
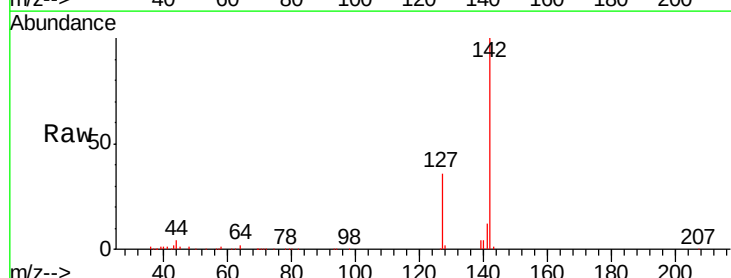
RT: 2.51 min Scan# 223

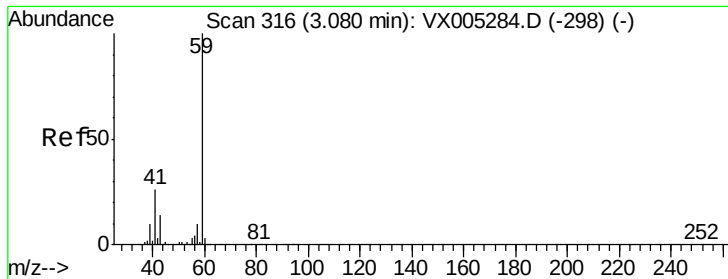
Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	142	Resp:	54097
Ion Ratio	Lower	Upper	
142	100		
127	39.8	33.8	50.6
141	13.0	11.4	17.0





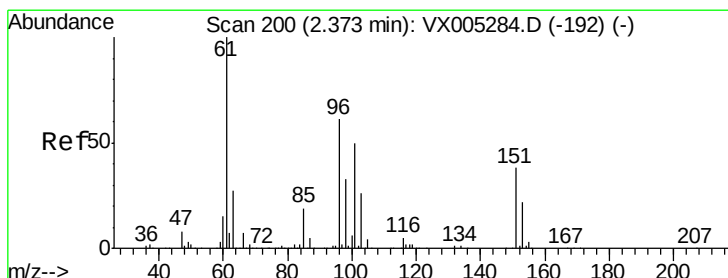
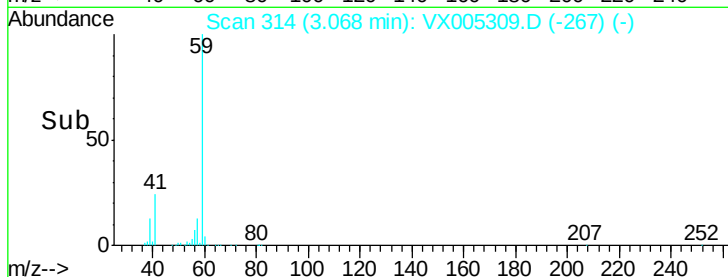
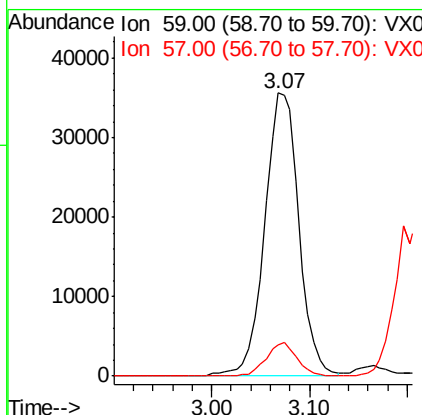
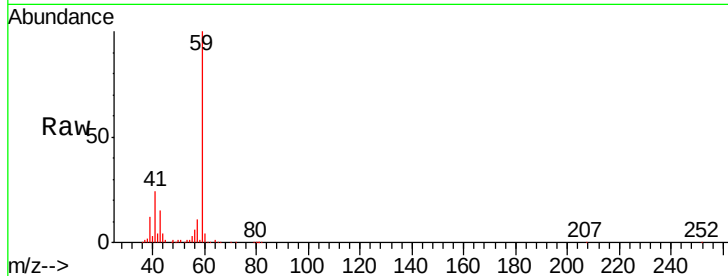
#11
Tert butyl alcohol
Concen: 95.41 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion: 59 Resp: 86883
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4

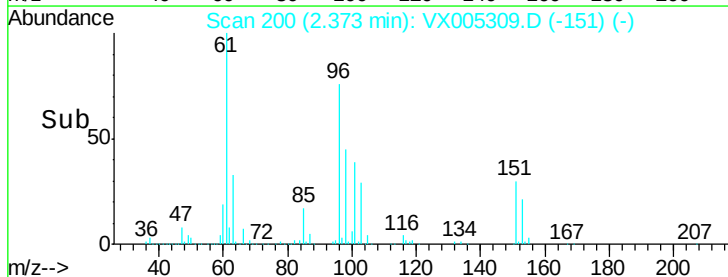
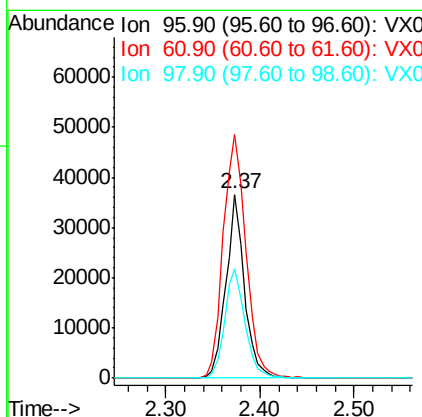
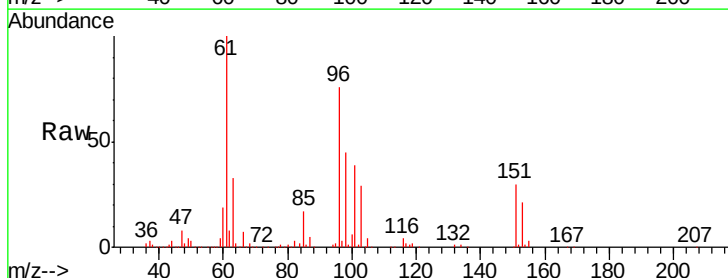
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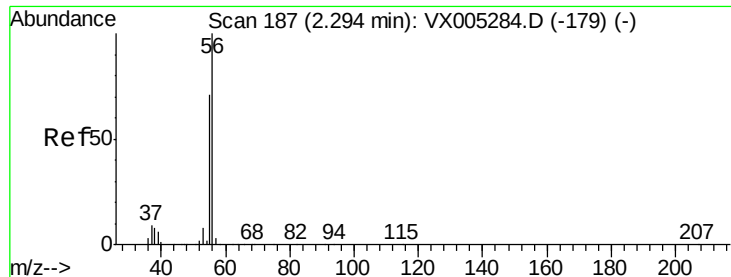
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.66 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 96 Resp: 50087
Ion Ratio Lower Upper
96 100
61 132.4 128.8 193.2
98 59.2 52.2 78.2





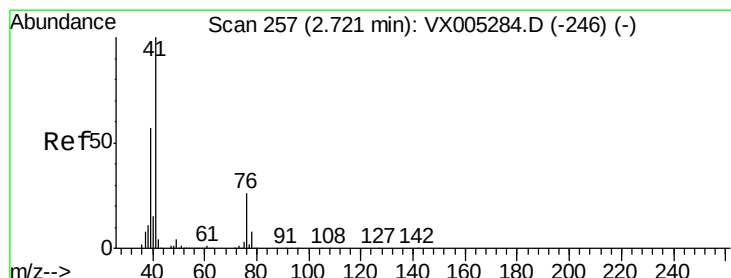
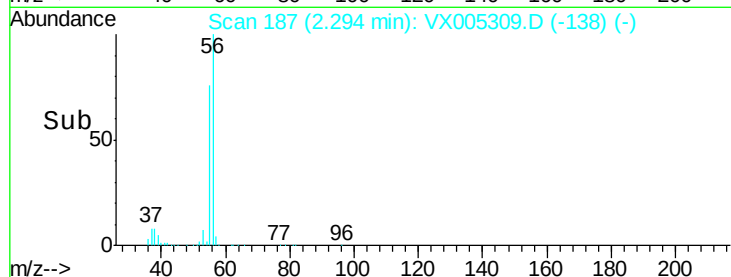
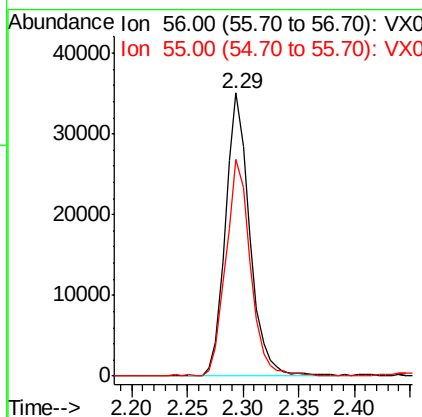
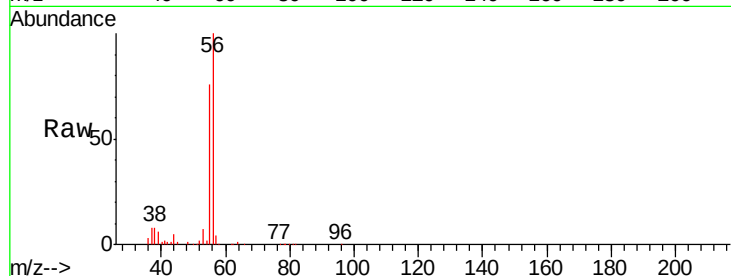
#13
Acrolein
Concen: 89.98 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	76.7	54.7	82.1

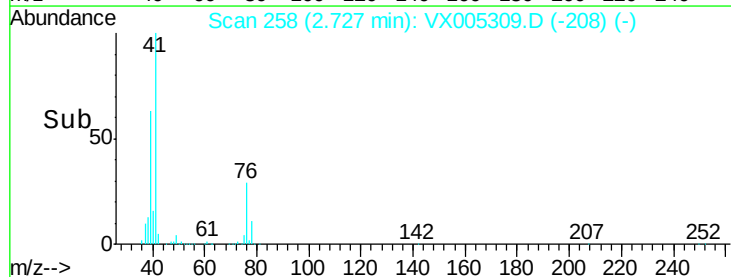
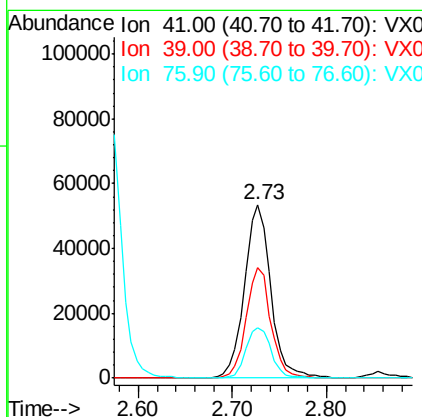
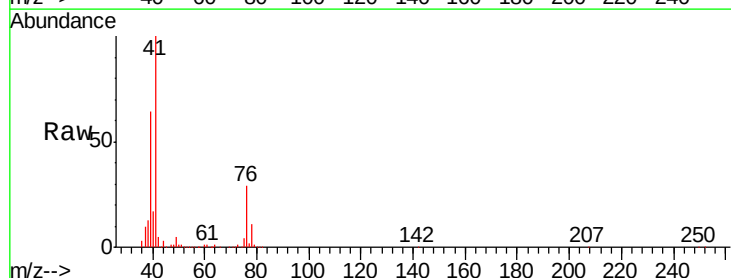
Manual Integrations
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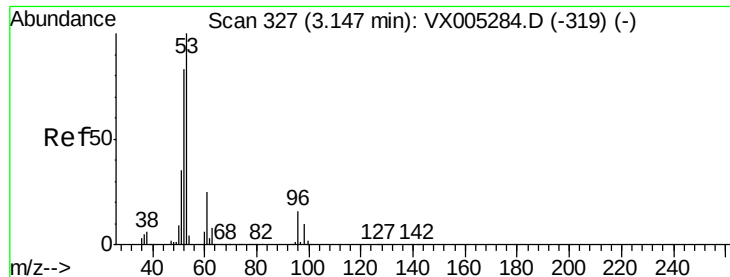
MMDadoda
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#14
Allyl chloride
Concen: 18.62 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.8	48.9	73.3
76	28.5	26.7	40.1





#15

Acrylonitrile

Concen: 94.73 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

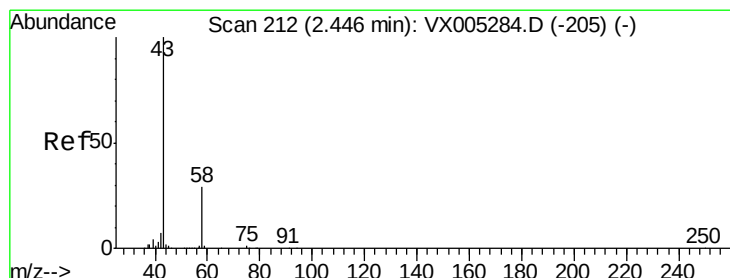
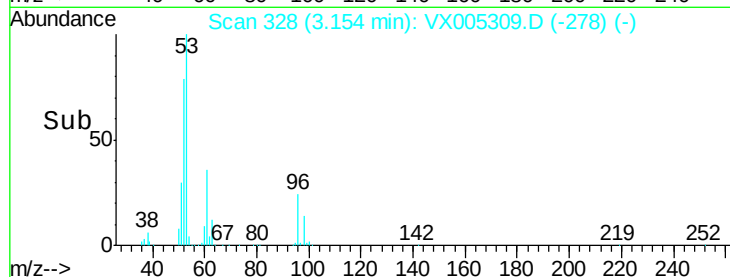
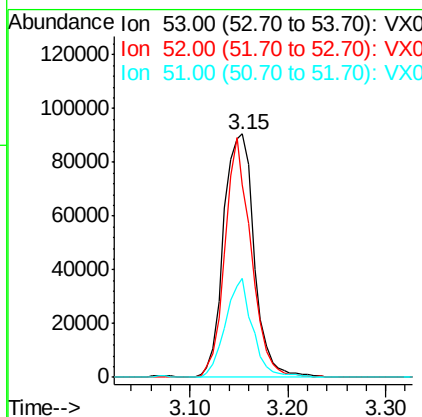
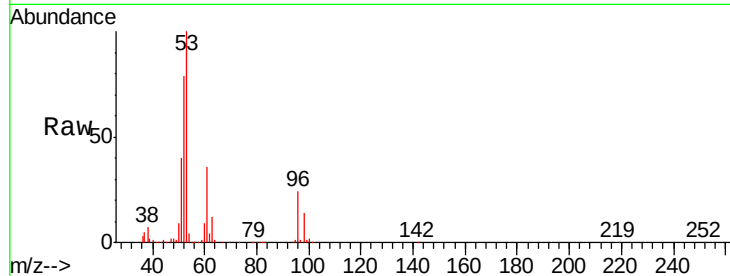
ClientSampleId :

VX1012MBS01

Tgt Ion:	53	Resp:	195482
Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.2	97.8
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 95.29 ug/l

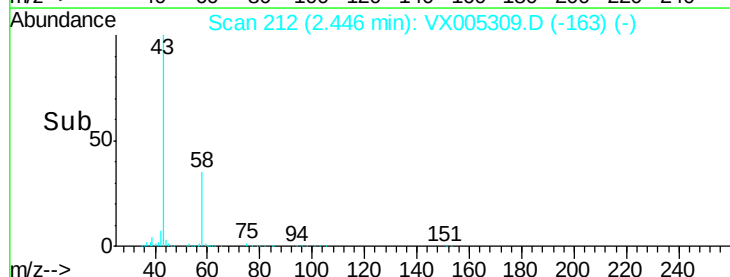
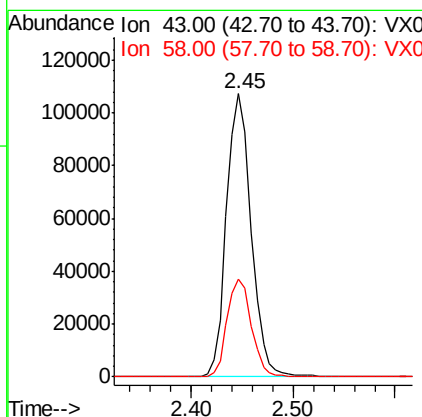
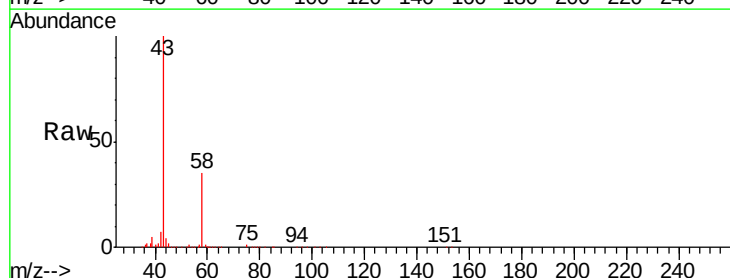
RT: 2.45 min Scan# 212

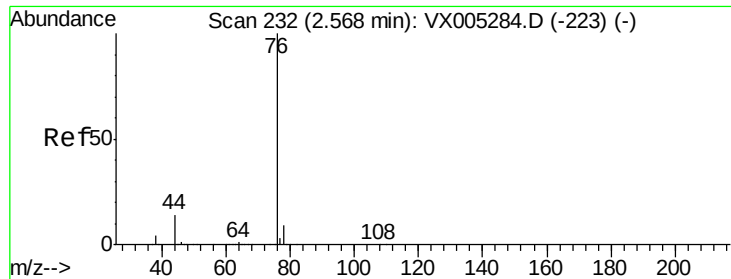
Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	43	Resp:	177864
Ion	Ratio	Lower	Upper
43	100		
58	34.5	26.2	39.4





#17

Carbon Disulfide

Concen: 17.91 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tgt Ion: 76 Resp: 138242

Ion Ratio Lower Upper

76 100

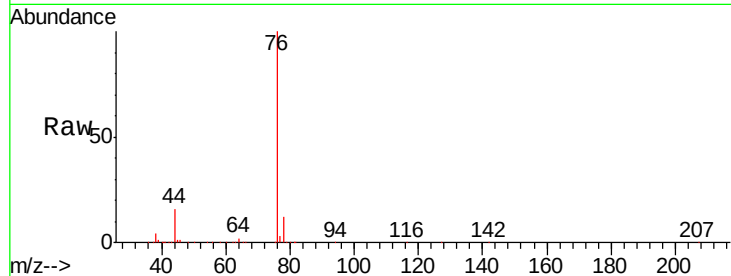
78 11.5 7.0 10.6#

Manual Integrations

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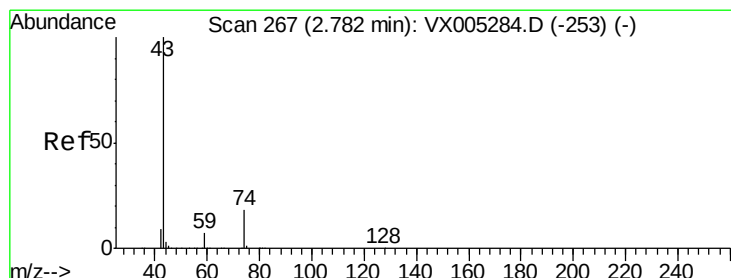
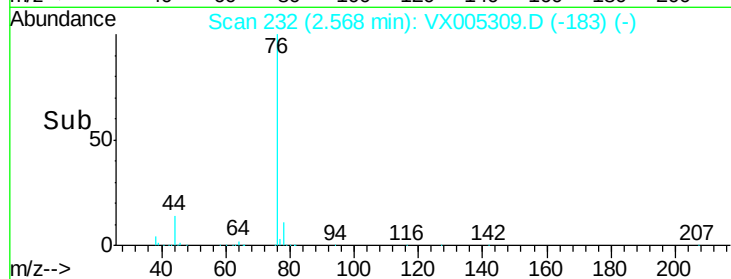
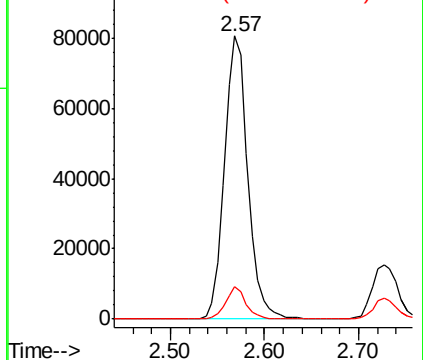
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.94 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005309.D

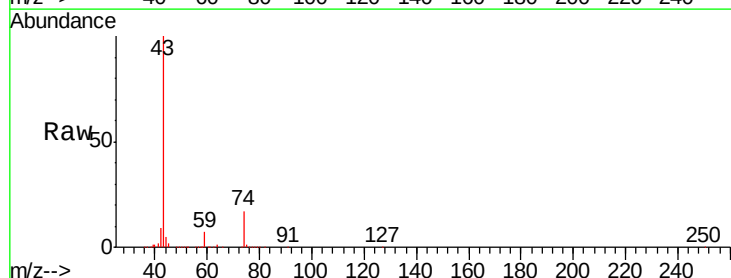
Acq: 12 Oct 2018 23:11

Tgt Ion: 43 Resp: 105881

Ion Ratio Lower Upper

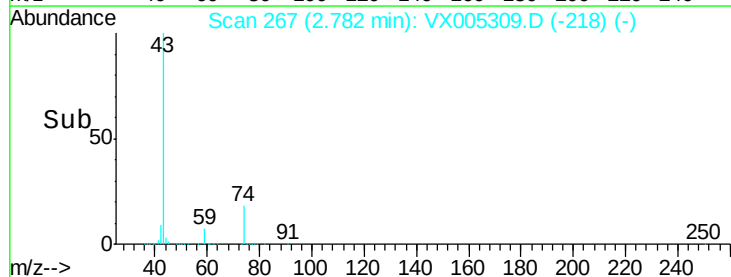
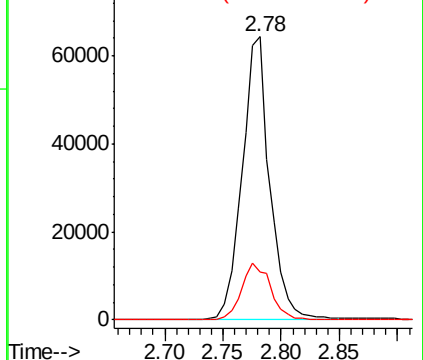
43 100

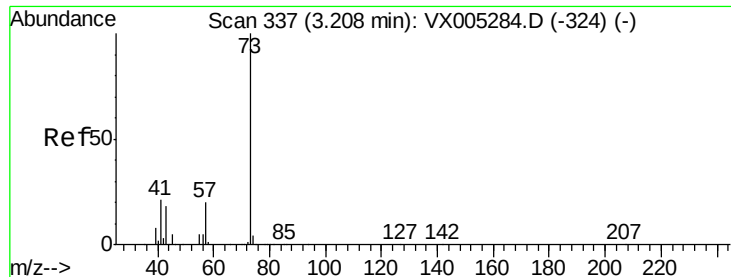
74 21.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





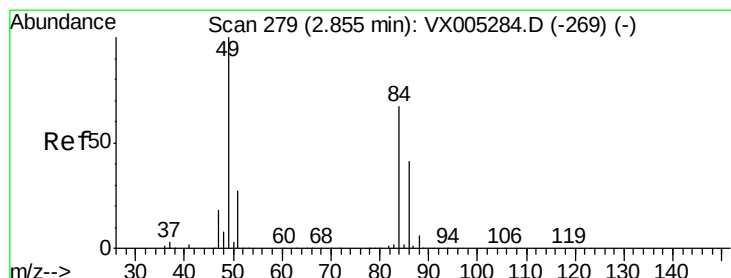
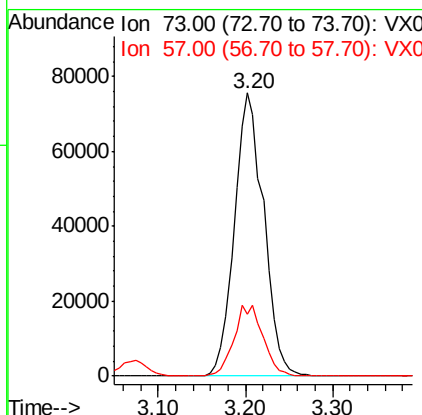
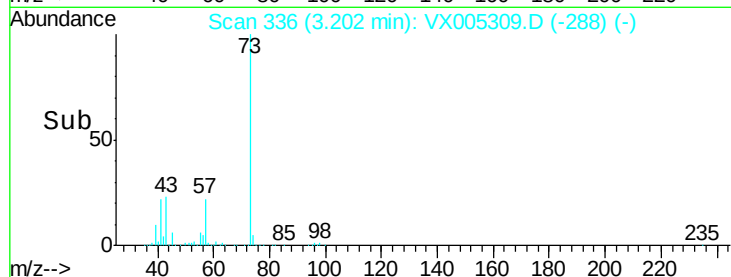
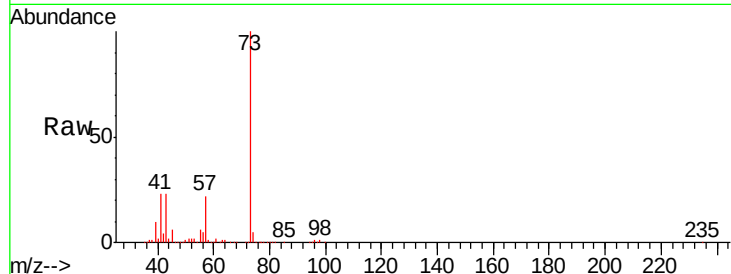
#19
Methyl tert-butyl Ether
Concen: 19.60 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion: 73 Resp: 175910
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7

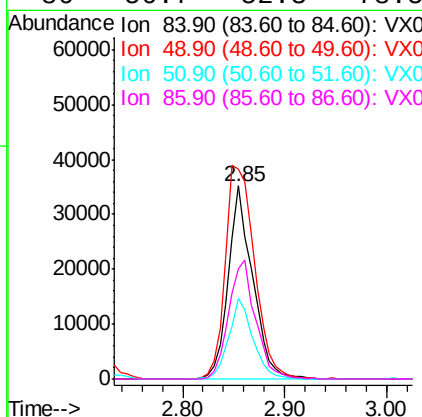
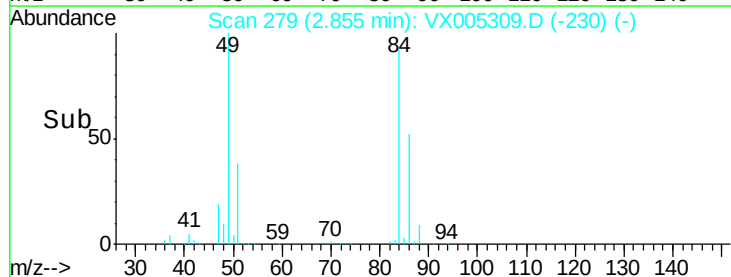
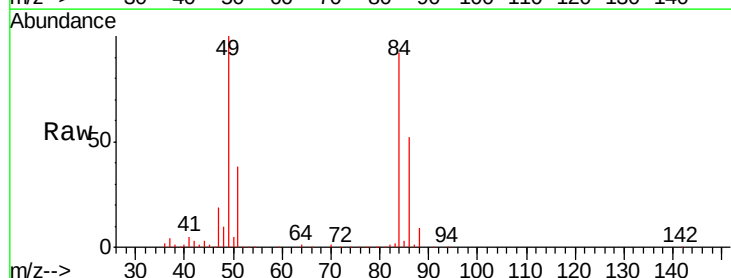
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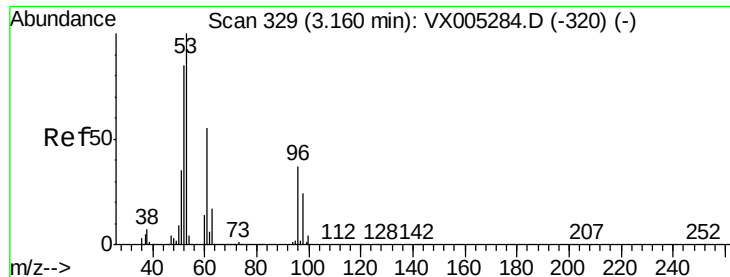
MMDadoda
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#20
Methylene Chloride
Concen: 20.53 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 84 Resp: 57934
Ion Ratio Lower Upper
84 100
49 108.8 101.2 151.8
51 41.3 29.5 44.3
86 56.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.26 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

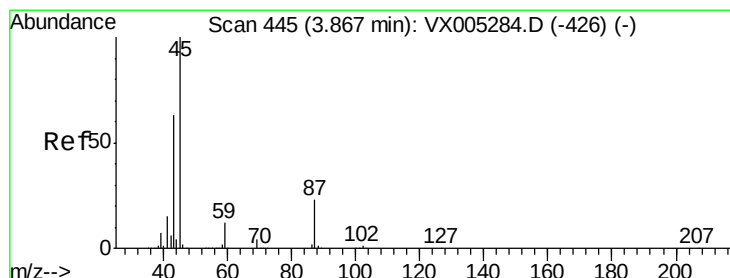
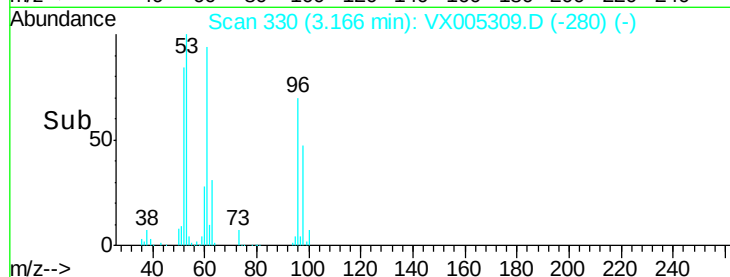
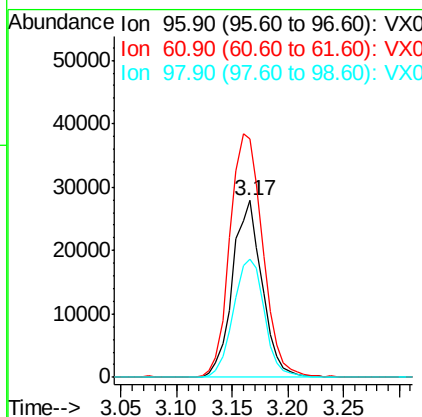
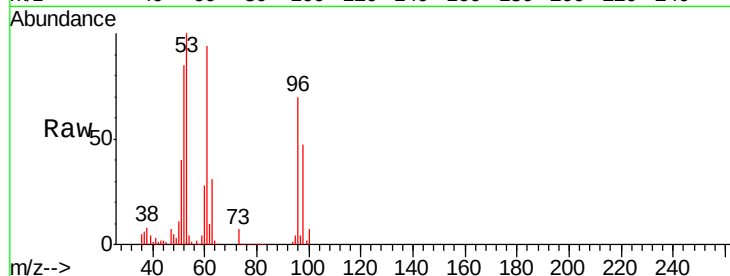
ClientSampleId :

VX1012MBS01

Tgt Ion:	96	Resp:	51564
Ion	Ratio	Lower	Upper
96	100		
61	135.2	113.8	170.6
98	66.7	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.77 ug/l

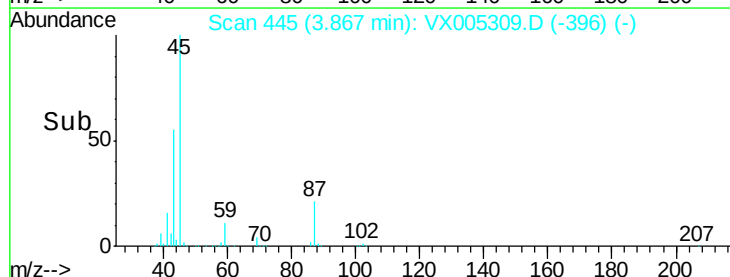
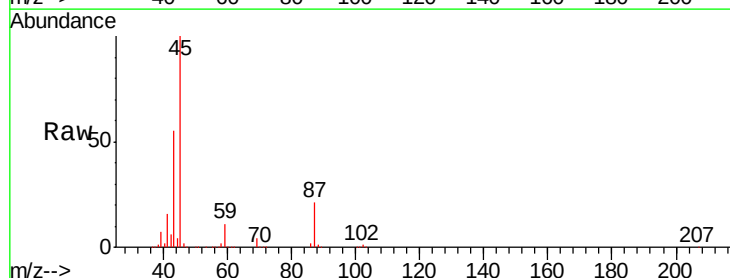
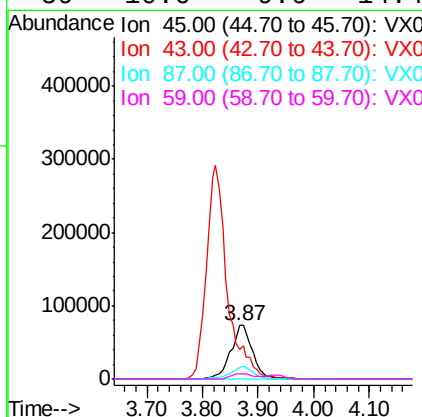
RT: 3.87 min Scan# 445

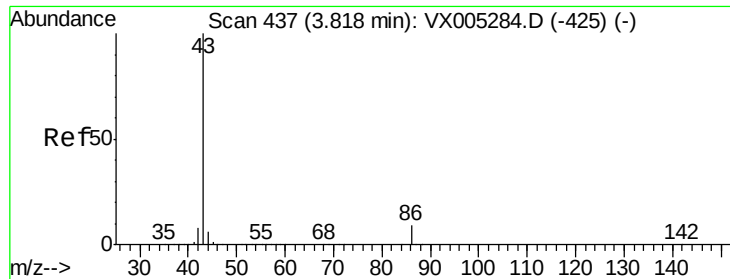
Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	45	Resp:	195102
Ion	Ratio	Lower	Upper
45	100		
43	54.5	42.8	64.2
87	21.5	22.6	34.0#
59	10.6	9.6	14.4





#23

Vinyl Acetate

Concen: 93.22 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tgt Ion: 43 Resp: 765498

Ion Ratio Lower Upper

43 100

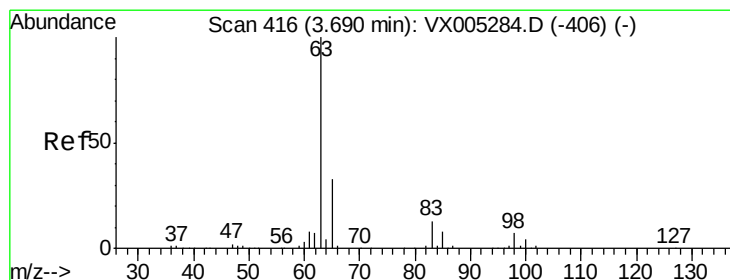
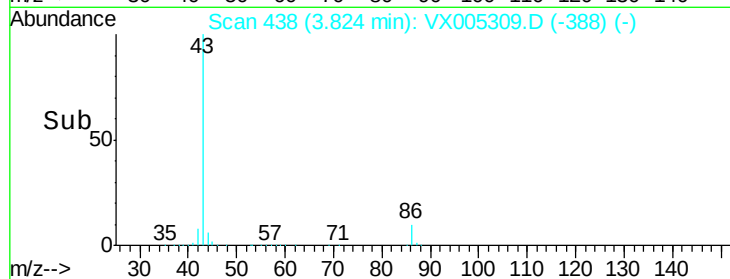
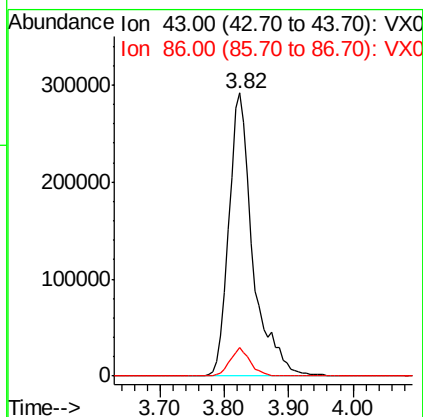
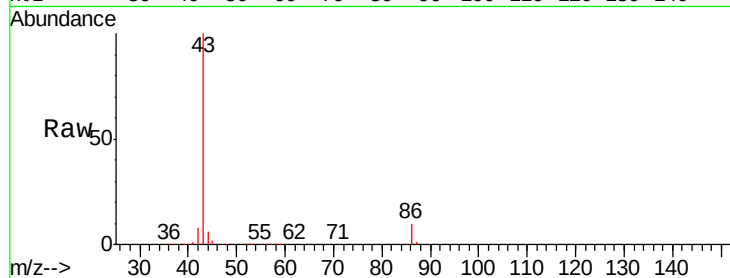
86 9.9 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.30 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

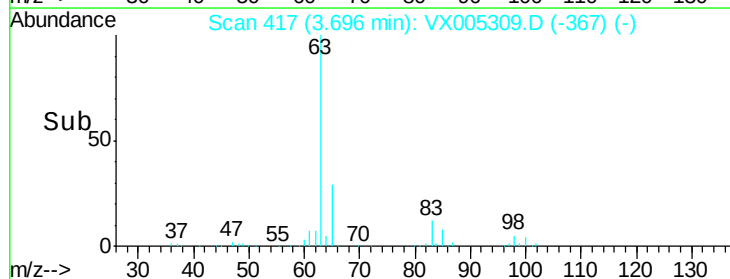
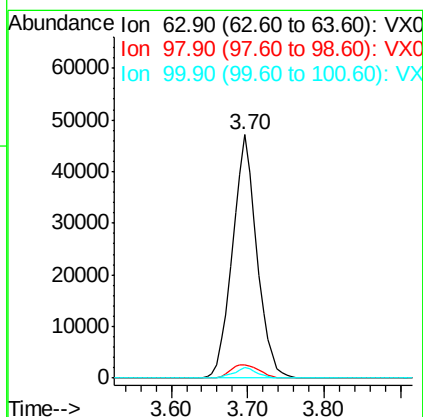
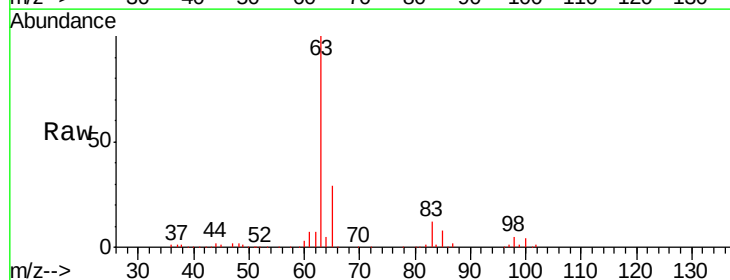
Tgt Ion: 63 Resp: 103939

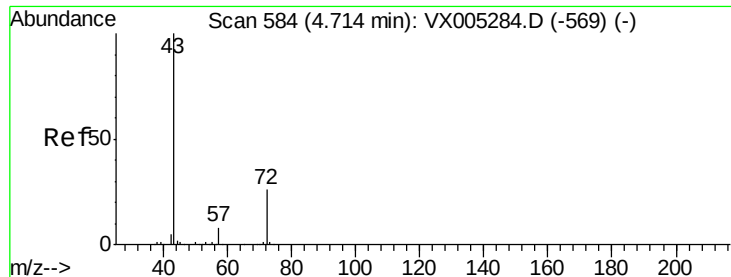
Ion Ratio Lower Upper

63 100

98 5.4 3.5 10.4

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 96.08 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tgt Ion: 43 Resp: 262400

Ion Ratio Lower Upper

43 100

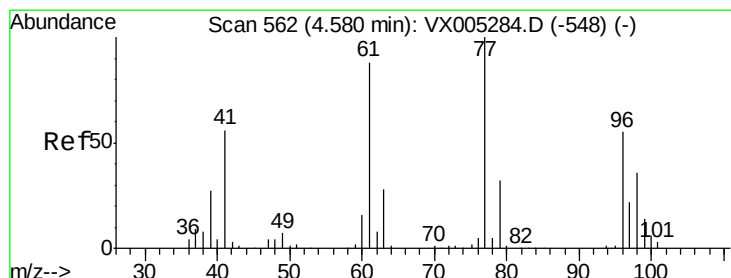
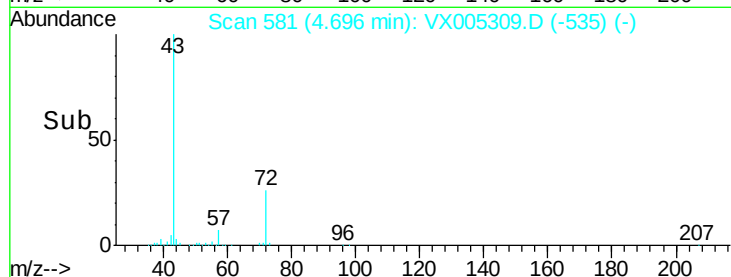
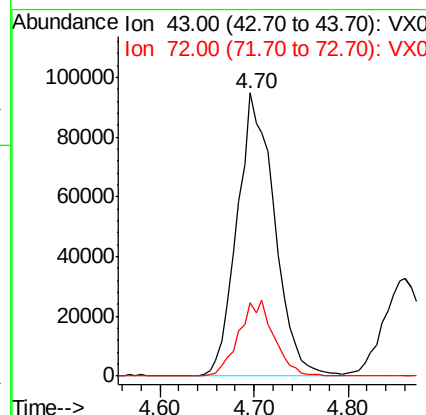
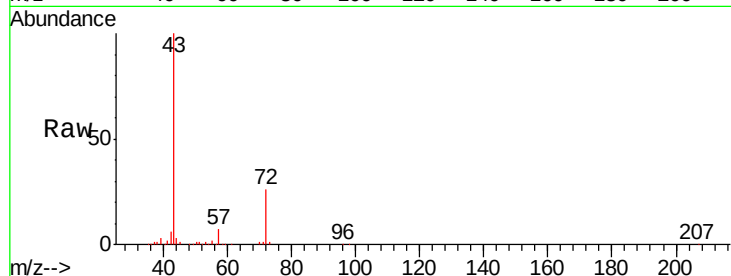
72 26.1 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.96 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005309.D

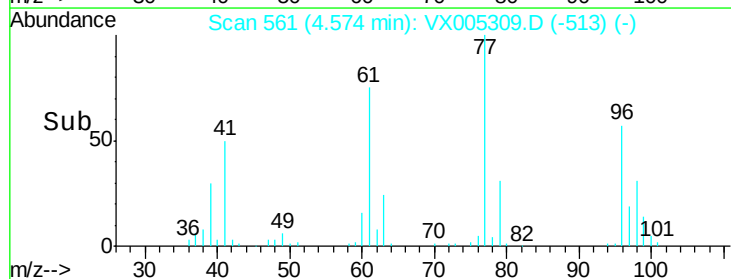
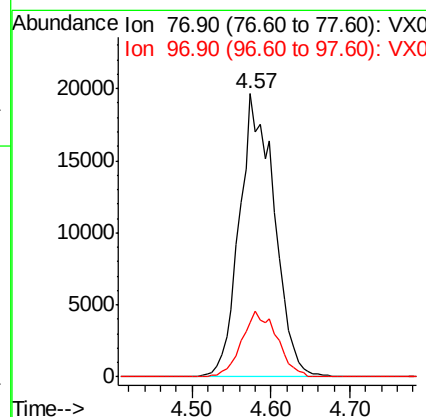
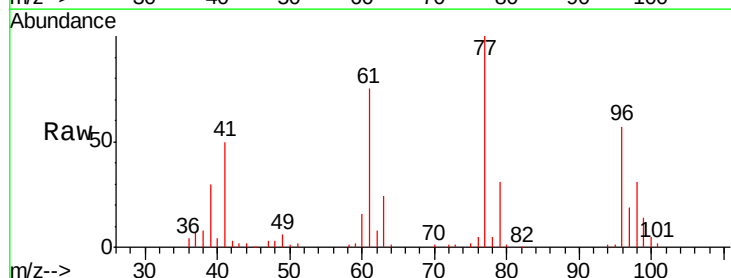
Acq: 12 Oct 2018 23:11

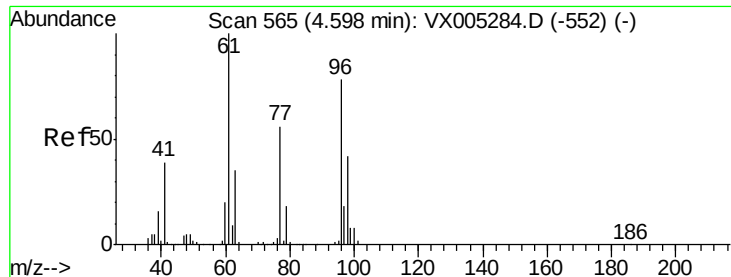
Tgt Ion: 77 Resp: 60233

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

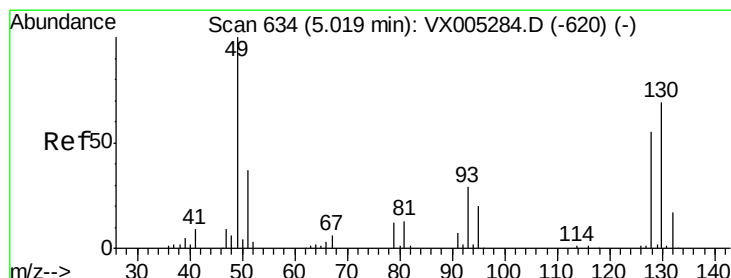
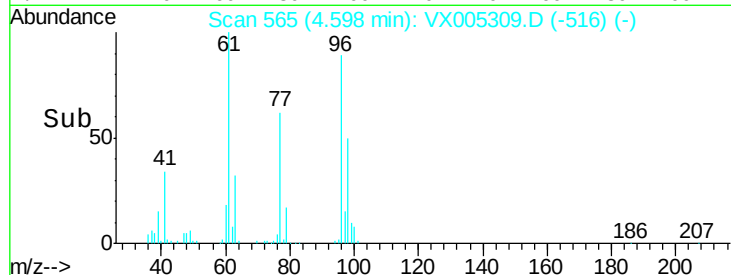
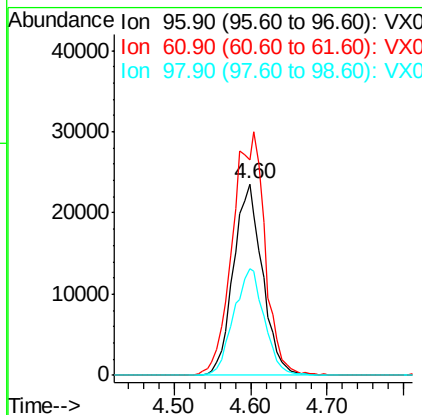
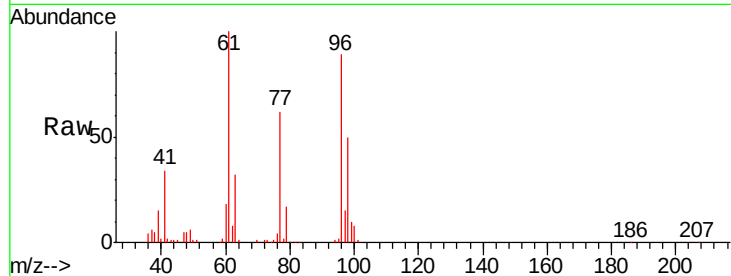
cis-1,2-Dichloroethene
Concen: 20.19 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	282.6
98	58.8	0.0	130.2

Manual Integrations
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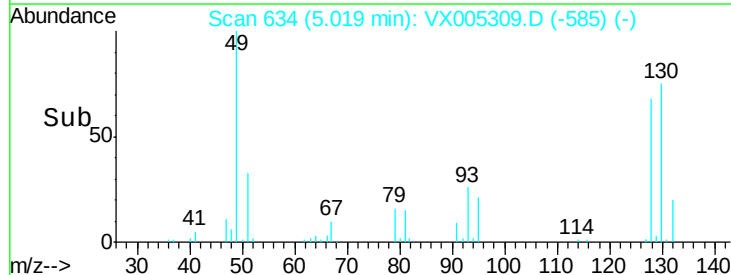
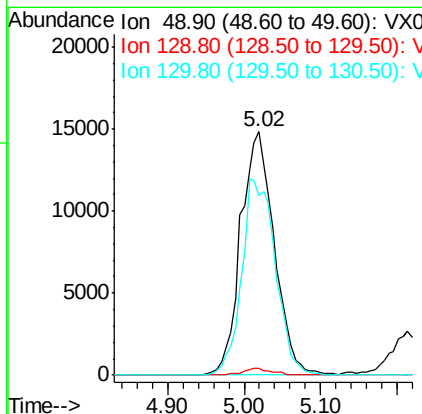
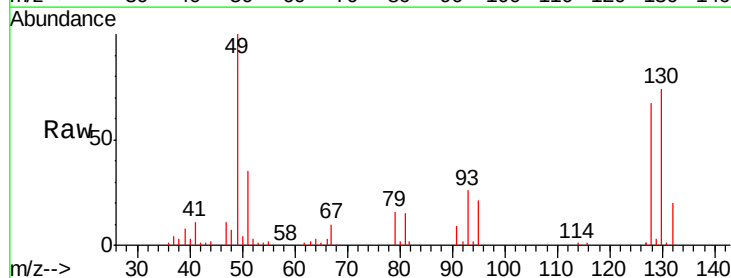
MMDadoda
10/17/2018 1:58:32 PM

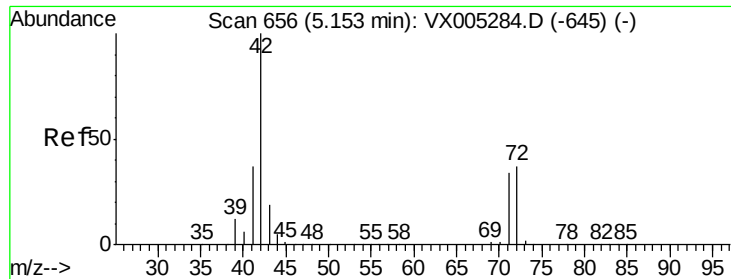


#28

Bromochloromethane
Concen: 18.45 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	80.9	67.5	101.3





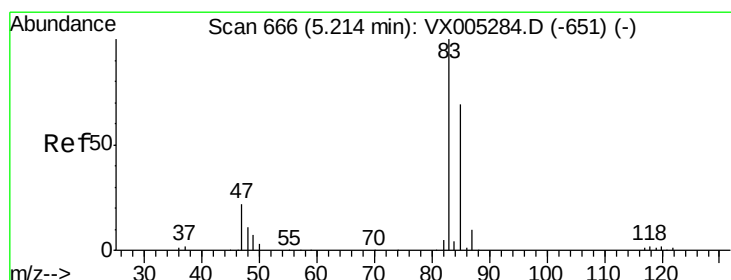
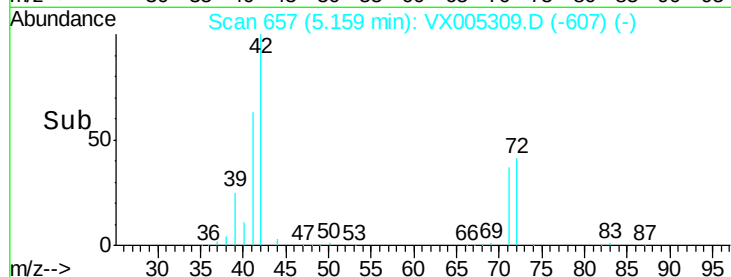
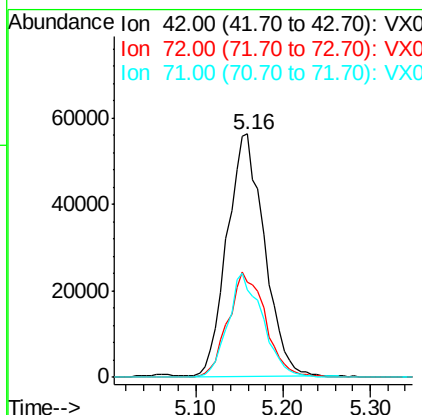
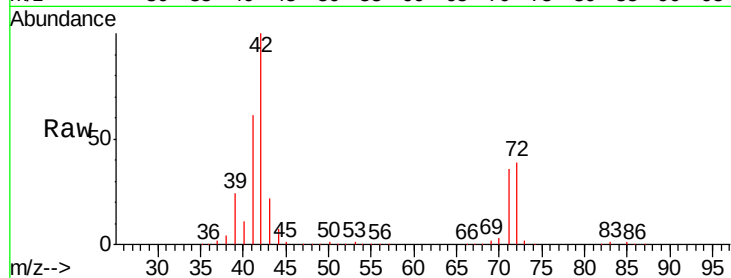
#29
Tetrahydrofuran
Concen: 95.39 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.4	56.0
71	40.5	34.5	51.7

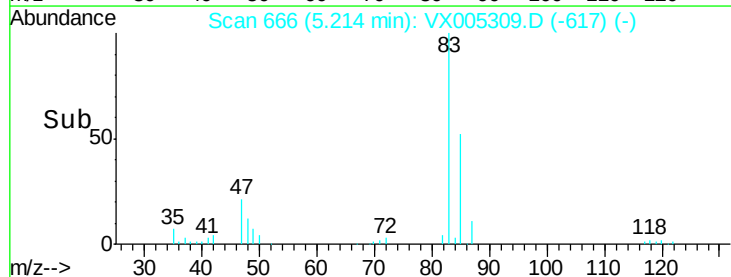
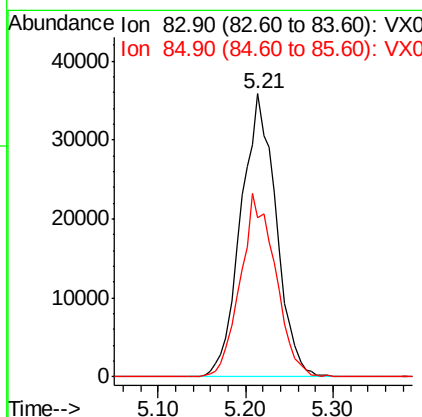
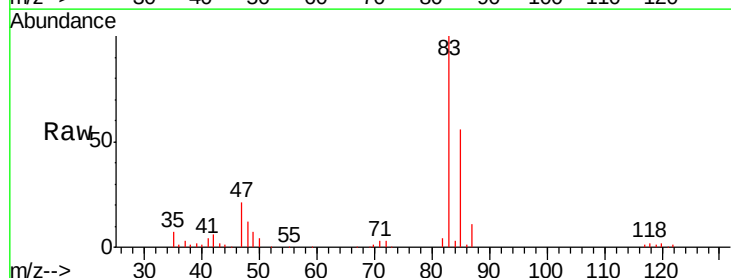
Manual Integrations
APPROVED

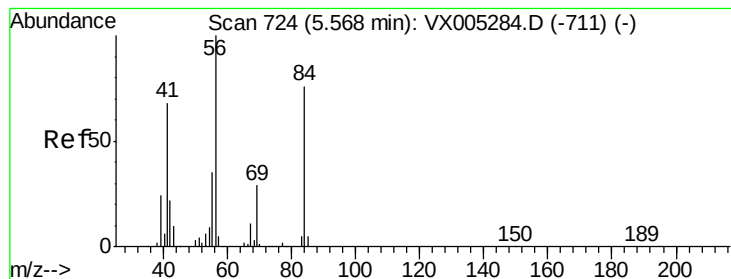
MMDadoda
10/17/2018 1:58:32 PM



#30
Chloroform
Concen: 20.12 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.4	52.6	79.0





#31

Cyclohexane

Concen: 18.85 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

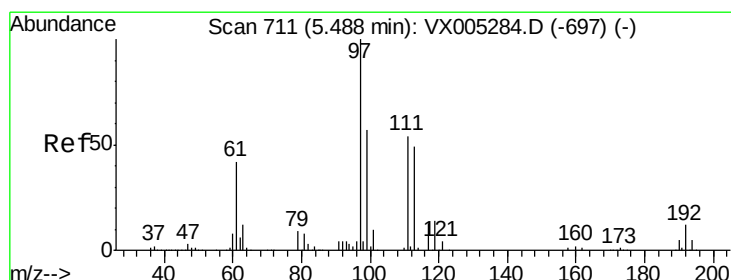
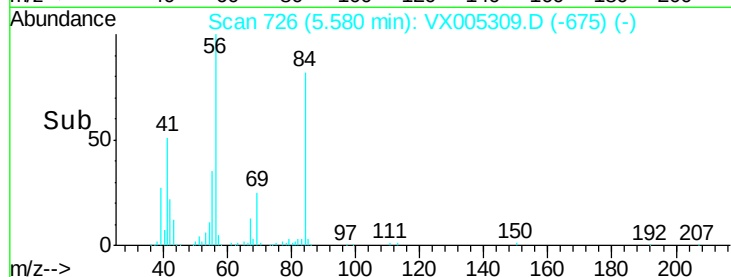
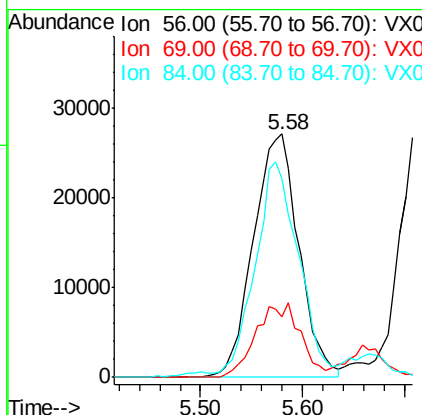
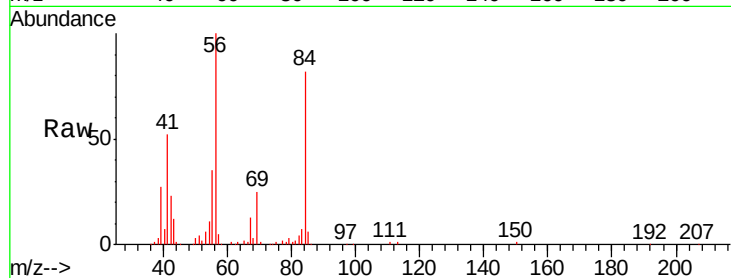
ClientSampleId :

VX1012MBS01

Tgt Ion:	56	Resp:	83673
Ion Ratio	Lower	Upper	
56	100		
69	25.1	25.4	38.2#
84	80.3	71.4	107.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.31 ug/l

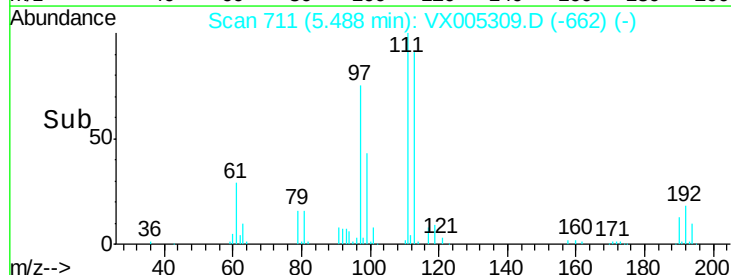
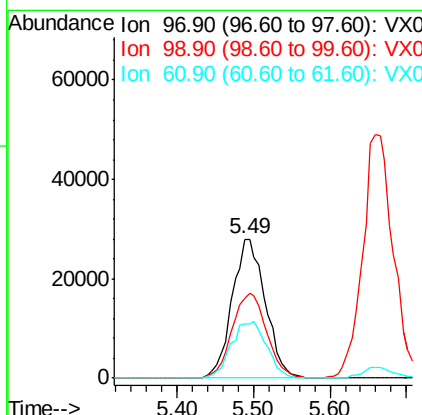
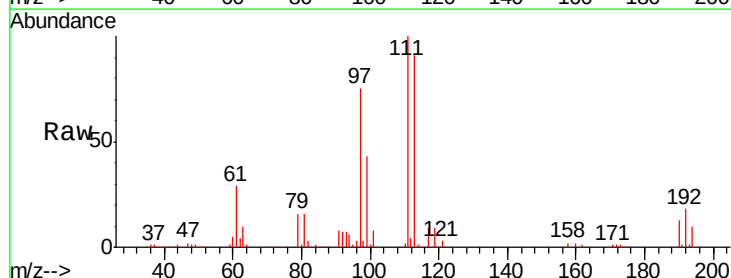
RT: 5.49 min Scan# 711

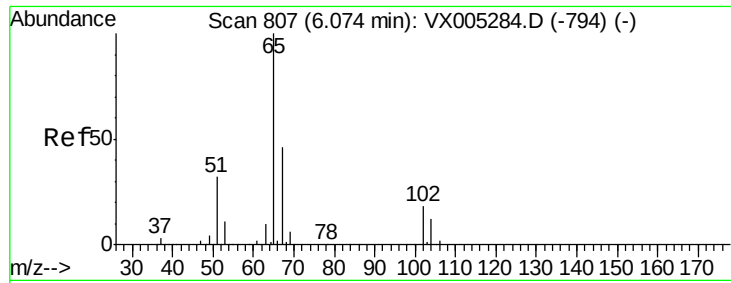
Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	97	Resp:	83965
Ion Ratio	Lower	Upper	
97	100		
99	63.8	52.0	78.0
61	43.8	34.9	52.3





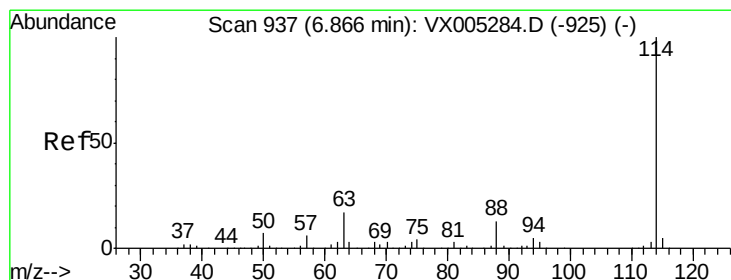
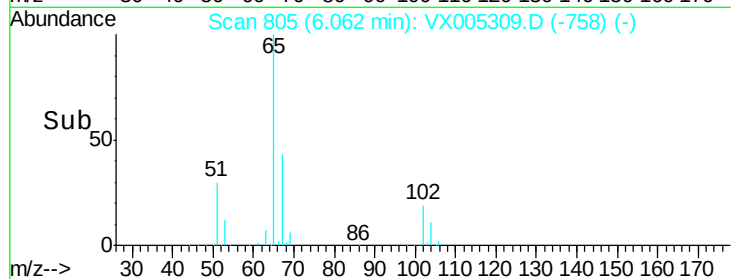
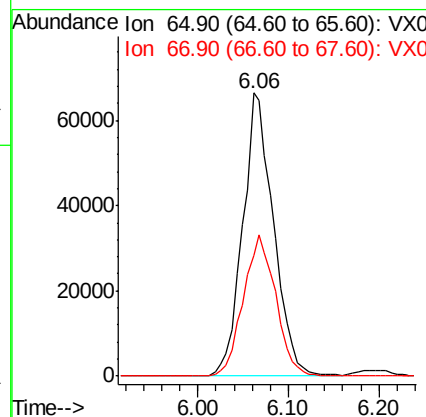
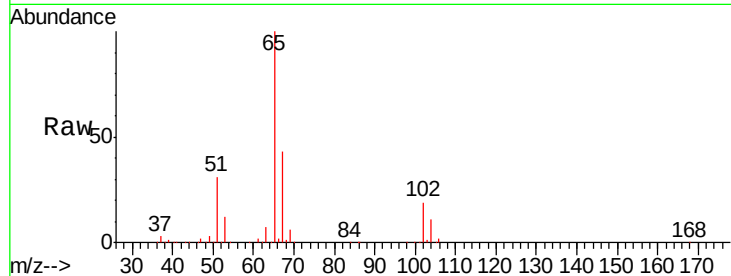
#33
 1,2-Dichloroethane-d4
 Concen: 48.78 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion: 65 Resp: 157482
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8

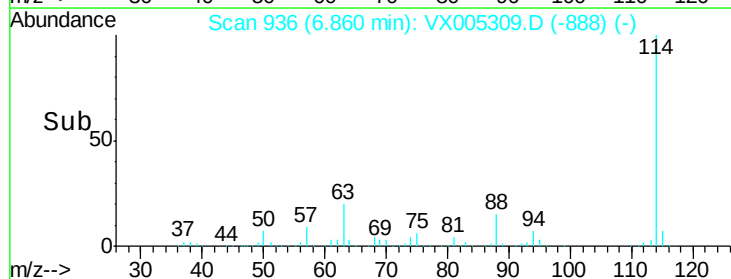
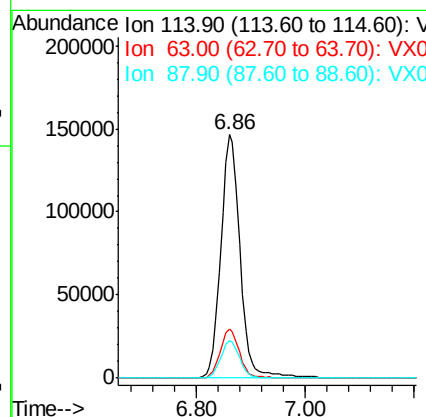
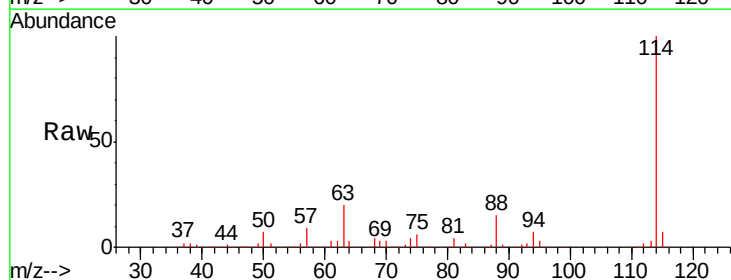
Manual Integrations
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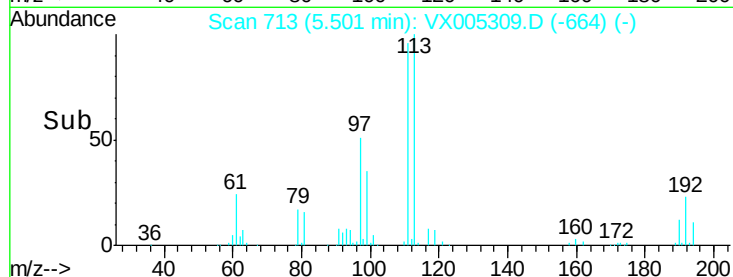
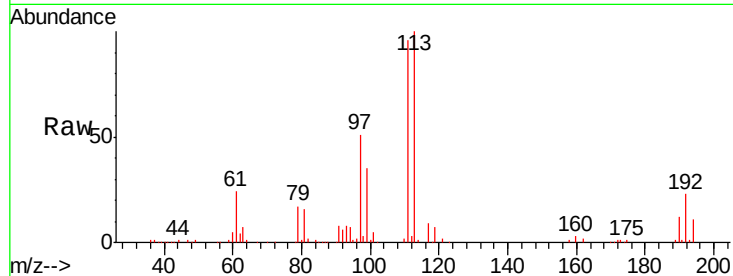
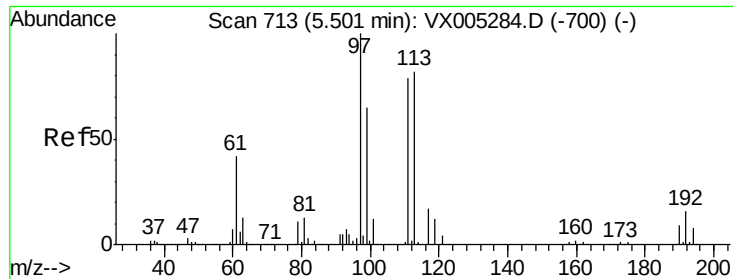
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion: 114 Resp: 360677
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.4 0.0 30.4





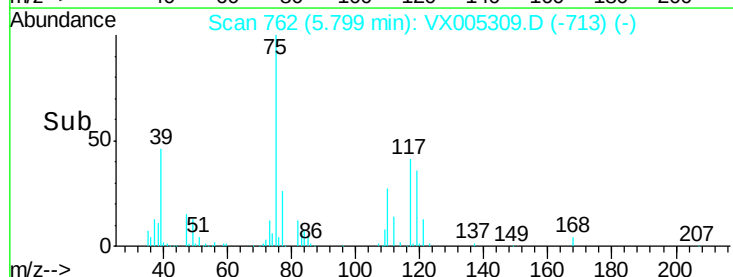
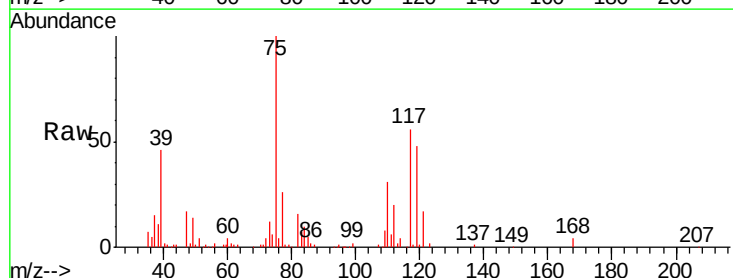
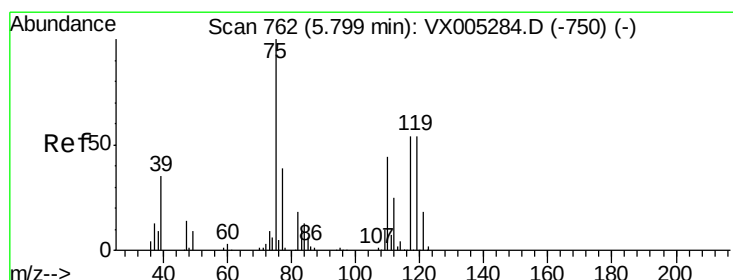
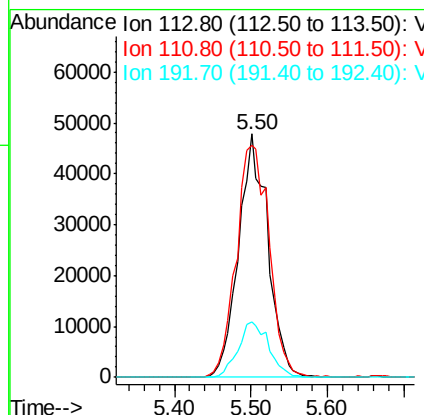
#35
Dibromofluoromethane
Concen: 53.22 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	127127		
111	107.3	82.4	123.6	
192	23.9	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

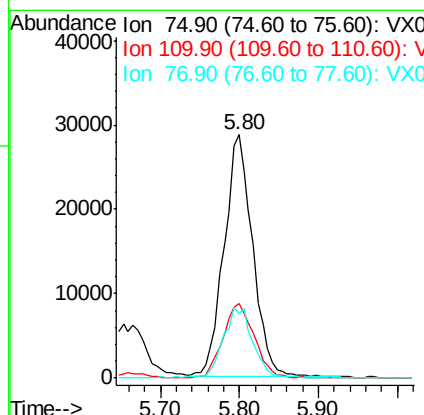
Manual Integrations
APPROVED

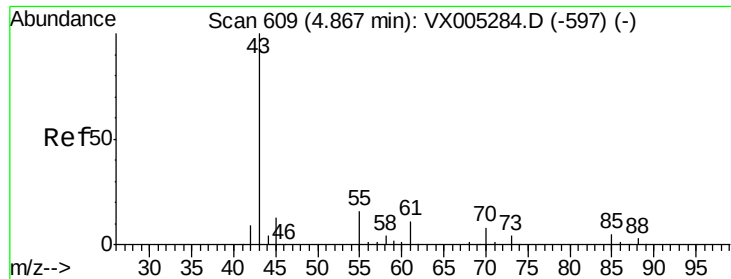
MMDadoda
10/17/2018 1:58:32 PM



#36
1,1-Dichloropropene
Concen: 20.82 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72743		
110	33.9	18.0	54.0	
77	29.3	24.6	36.8	





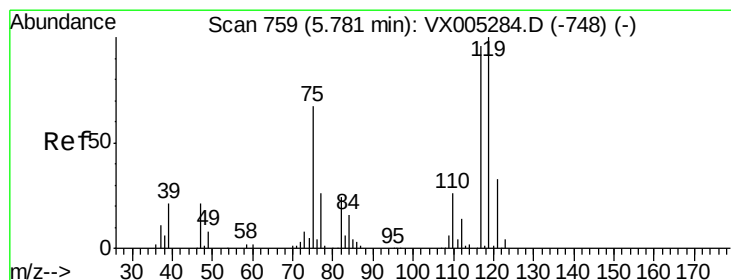
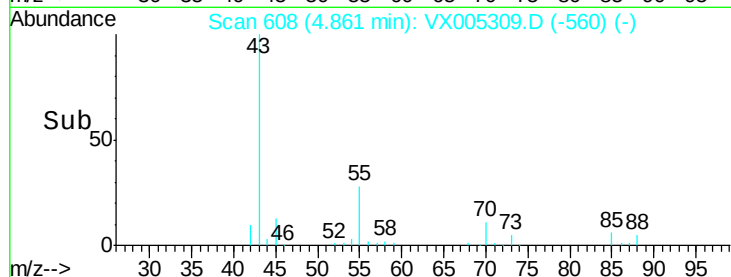
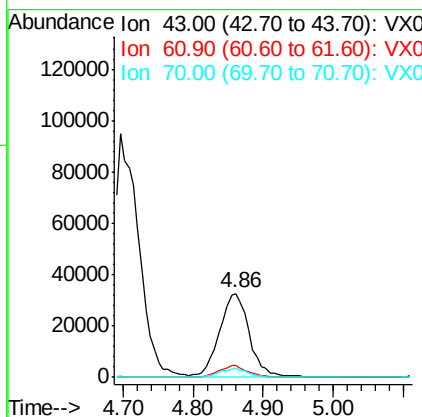
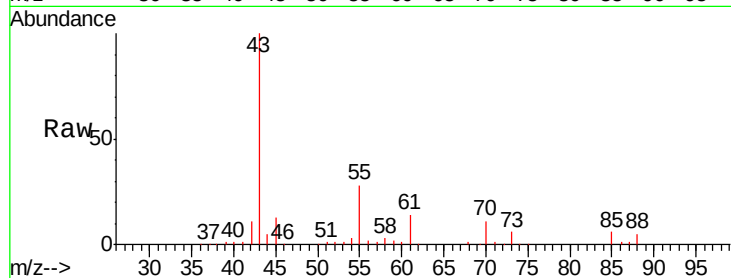
#37
Ethyl Acetate
Concen: 21.28 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	10.4	9.0	13.6

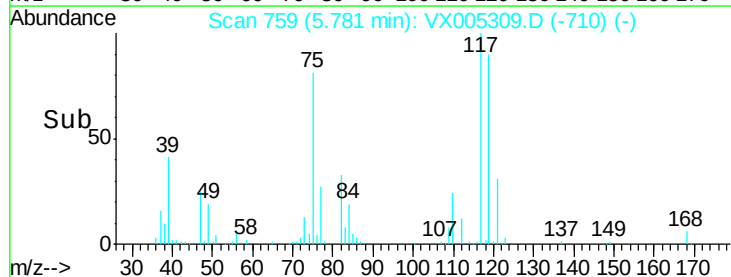
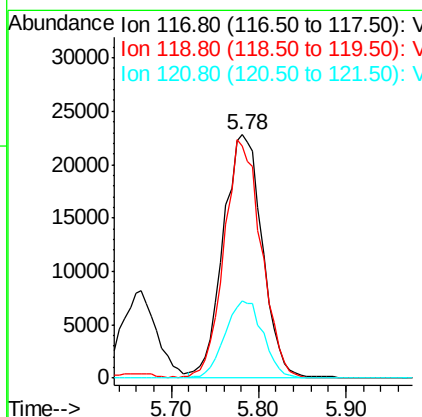
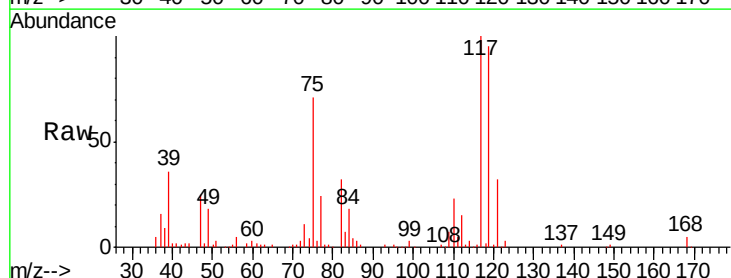
Manual Integrations
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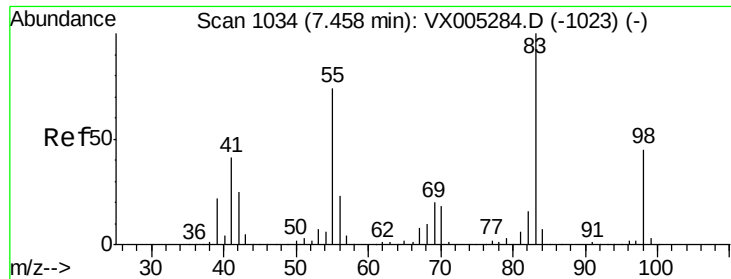
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#38
Carbon Tetrachloride
Concen: 20.15 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.8	118.2
121	31.7	24.9	37.3





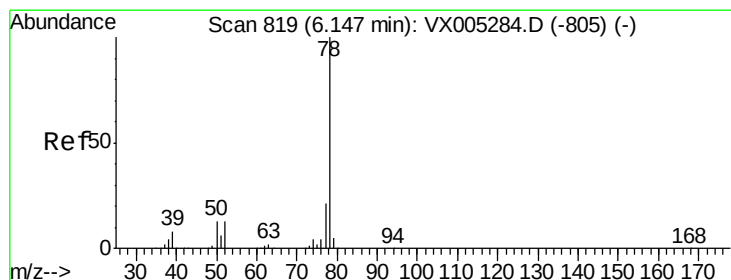
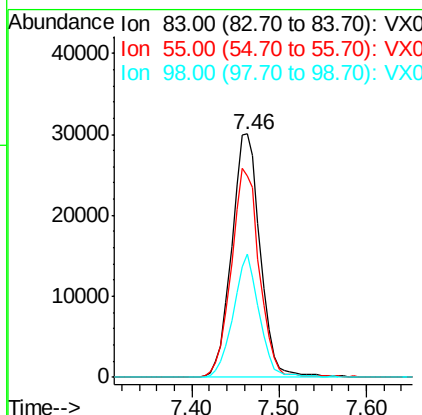
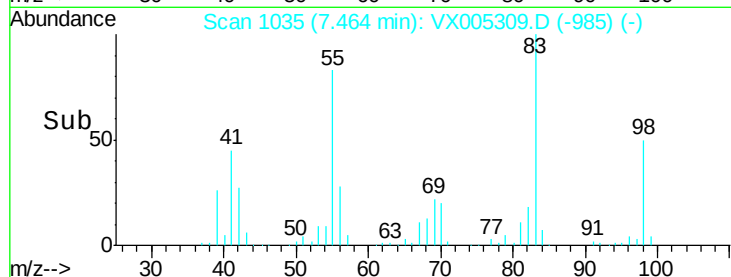
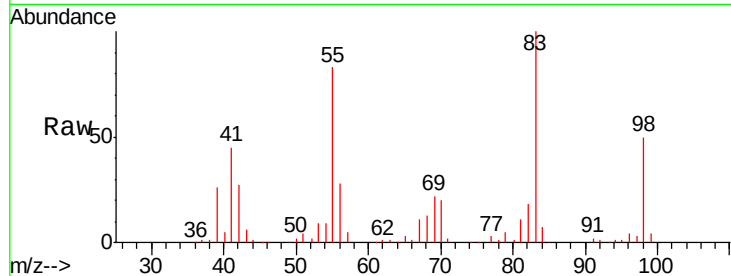
#39
Methylcyclohexane
Concen: 18.04 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	68211		
55	82.6	61.0	91.4	
98	50.5	39.6	59.4	

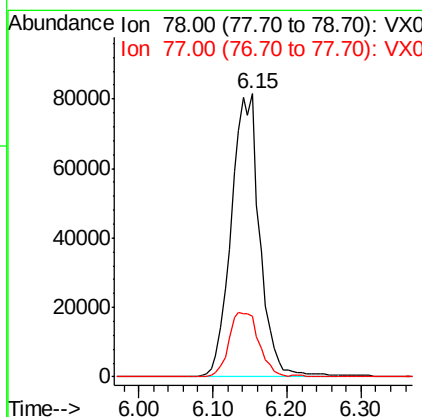
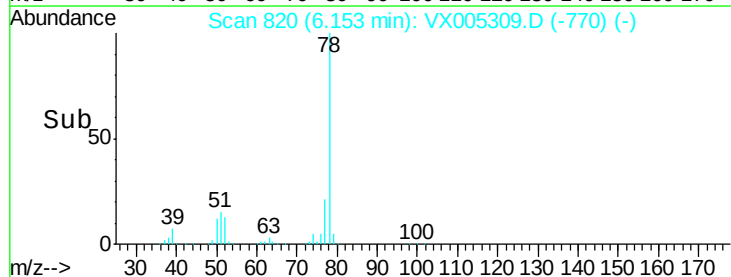
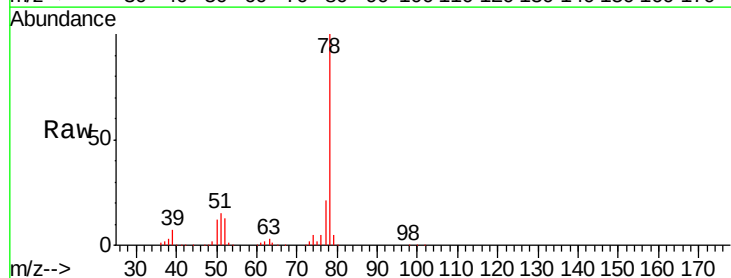
Manual Integrations
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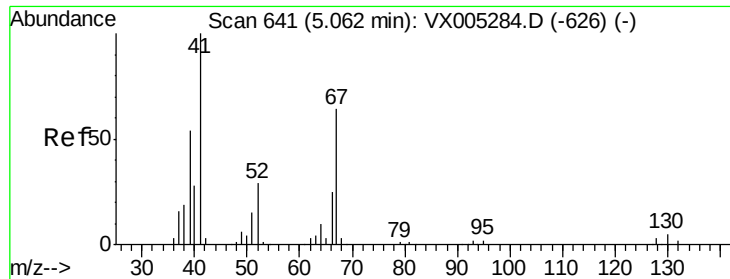
MMDadoda
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#40
Benzene
Concen: 20.91 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	219070		
77	21.2	19.0	28.4	





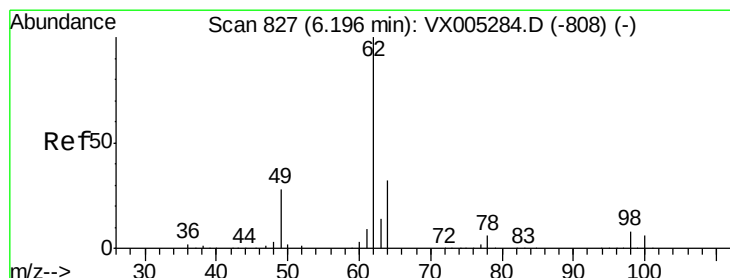
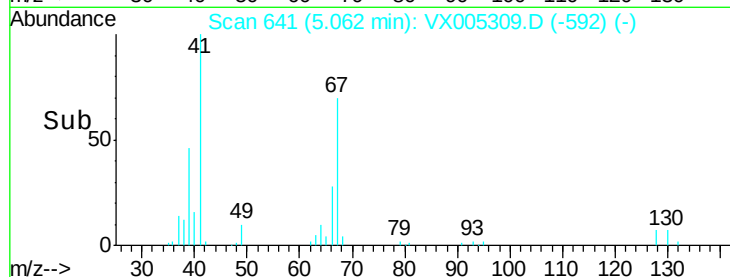
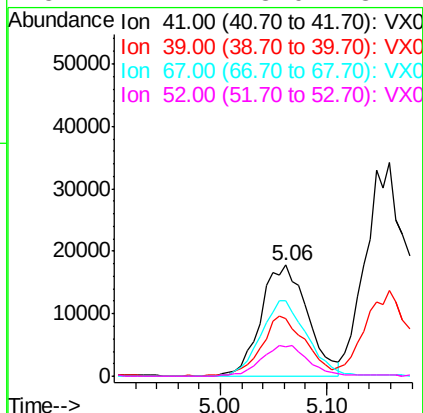
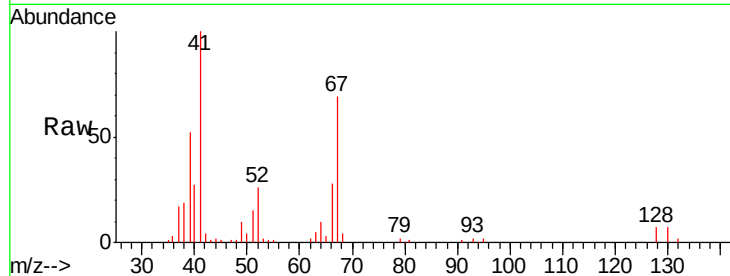
#41
Methacrylonitrile
Concen: 22.48 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.5	42.4	63.6	
67	68.2	59.2	88.8	
52	27.2	23.0	34.4	

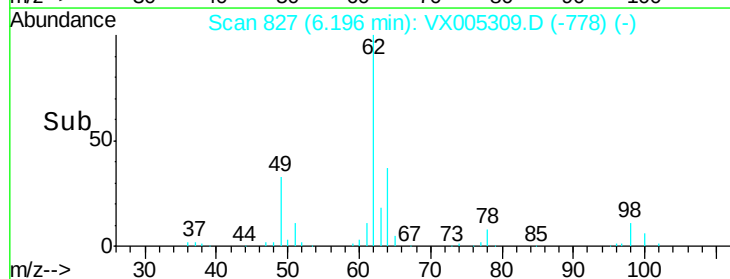
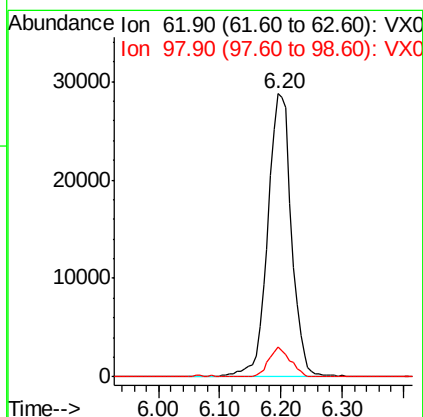
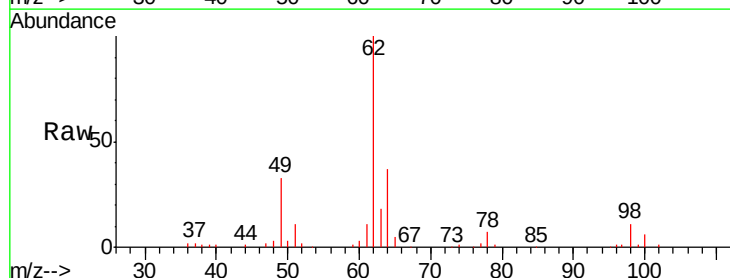
Manual Integrations
APPROVED

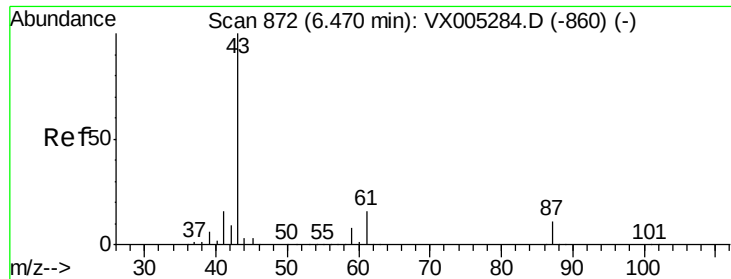
MMDadoda
10/17/2018 1:58:32 PM



#42
1,2-Dichloroethane
Concen: 20.83 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.94 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

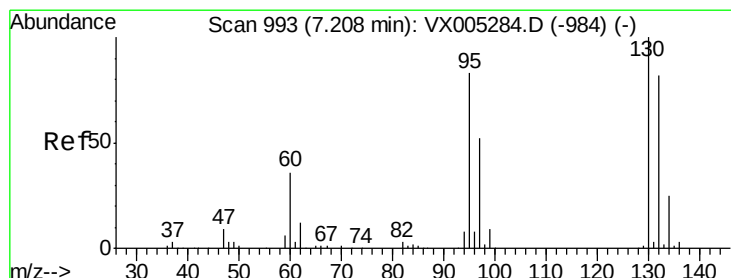
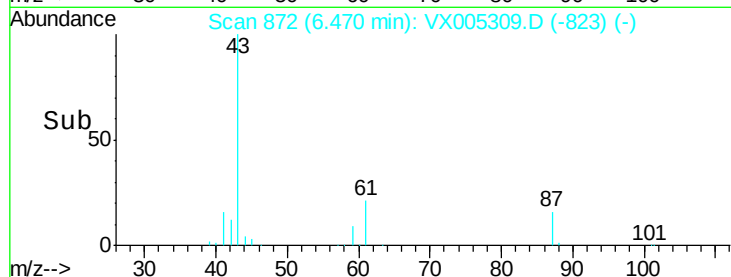
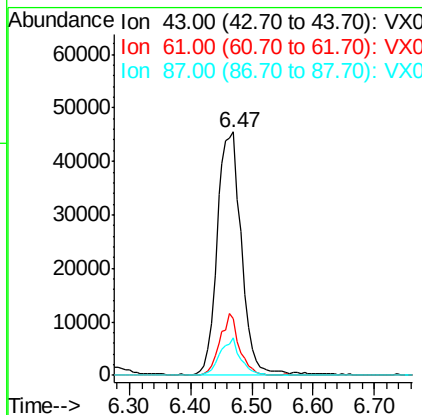
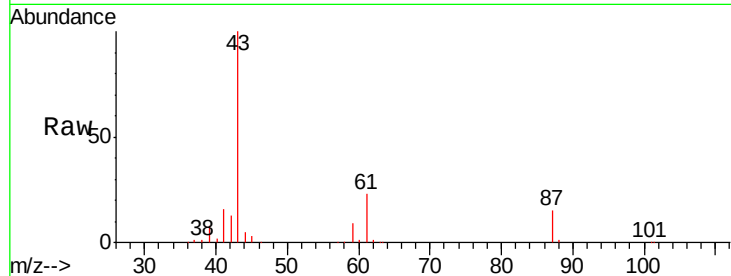
ClientSampleId :

VX1012MBS01

Tgt Ion:	43	Resp:	125304
Ion	Ratio	Lower	Upper
43	100		
61	20.5	17.0	25.4
87	12.9	11.4	17.2

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#44

Trichloroethene

Concen: 19.09 ug/l

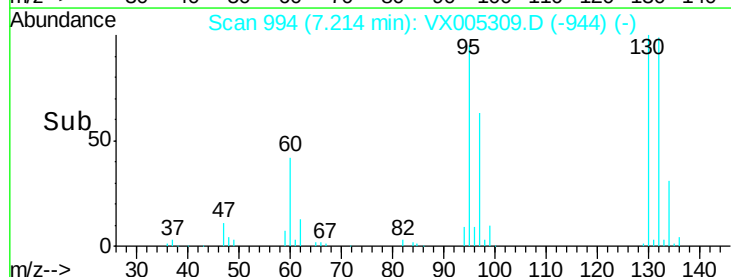
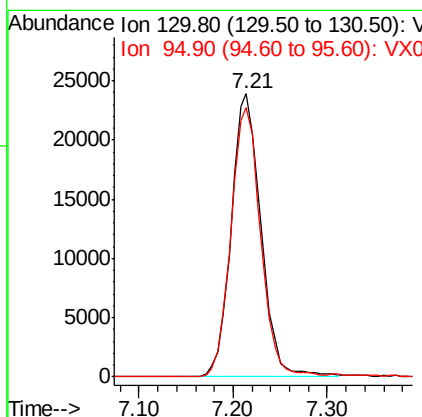
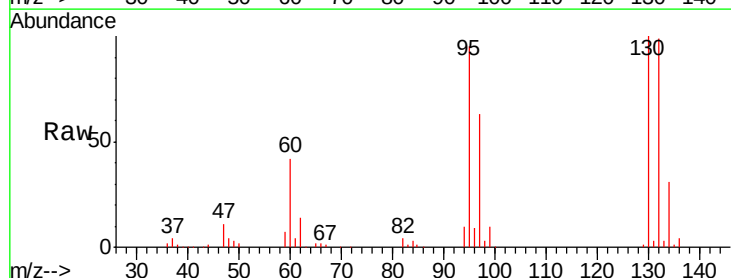
RT: 7.21 min Scan# 994

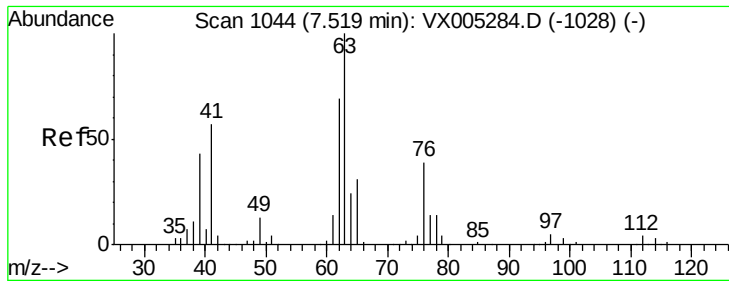
Delta R.T. 0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	130	Resp:	52105
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.59 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tgt Ion: 63 Resp: 50347

Ion Ratio Lower Upper

63 100

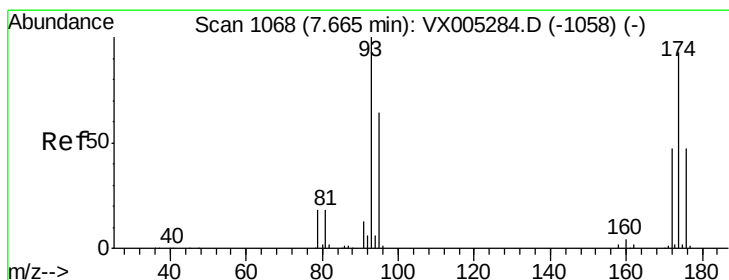
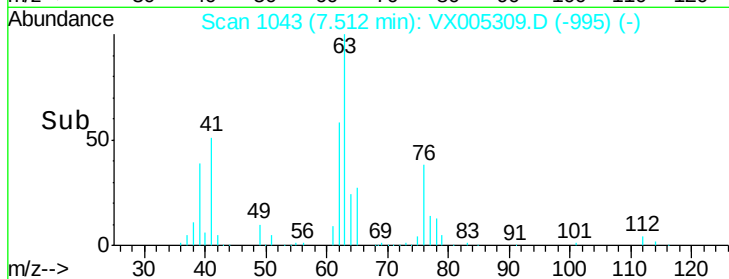
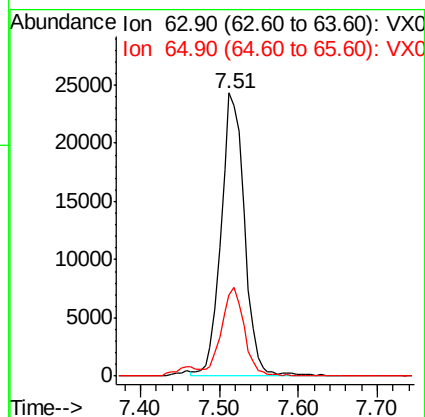
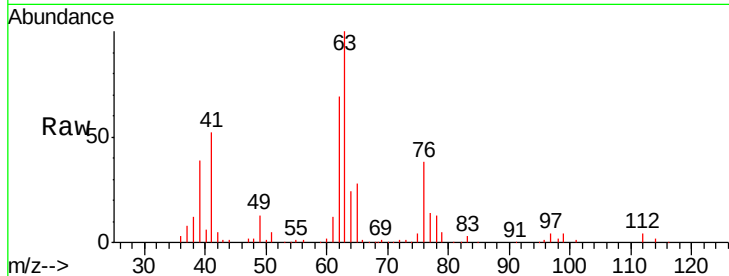
65 28.5 24.3 36.5

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#46

Dibromomethane

Concen: 19.41 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

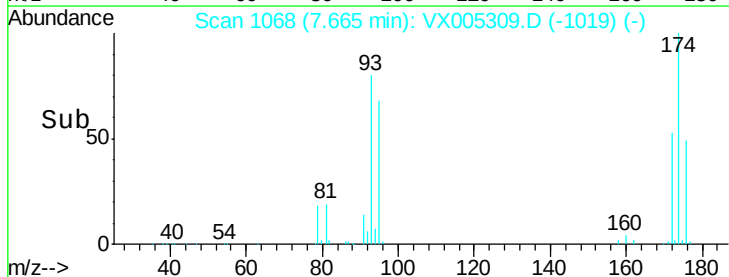
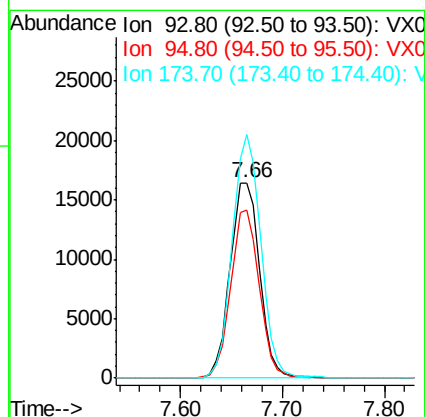
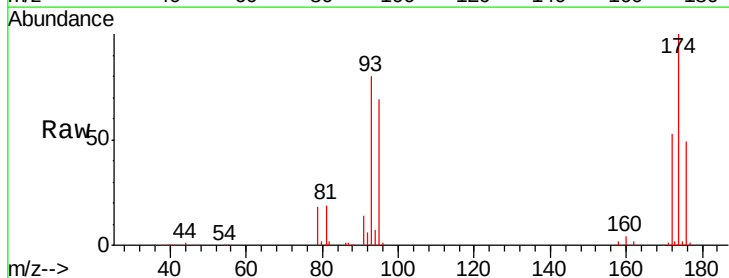
Tgt Ion: 93 Resp: 32931

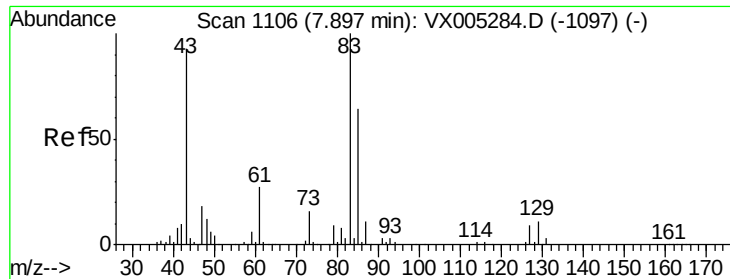
Ion Ratio Lower Upper

93 100

95 83.1 65.5 98.3

174 119.7 94.2 141.4





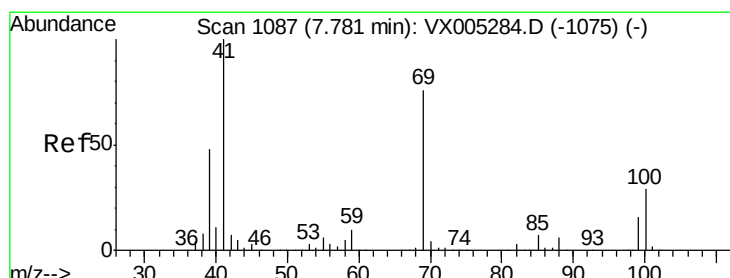
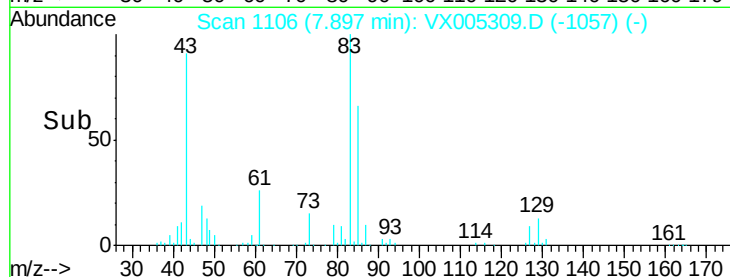
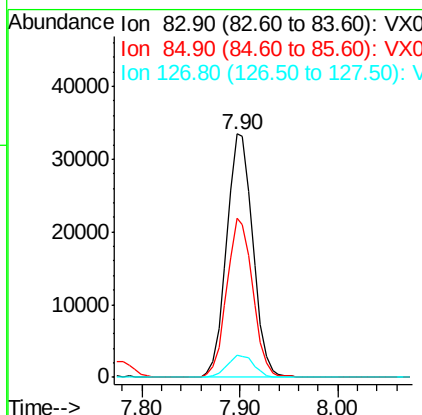
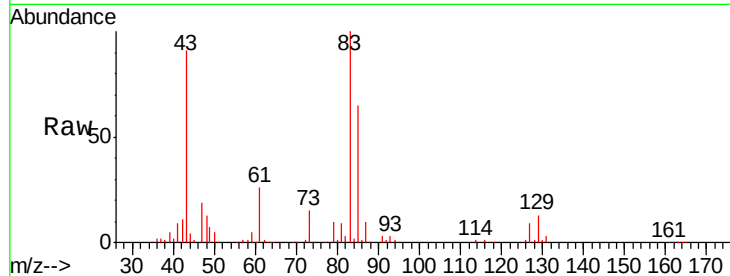
#47
Bromodichloromethane
Concen: 19.93 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3
127	9.1	7.3	10.9

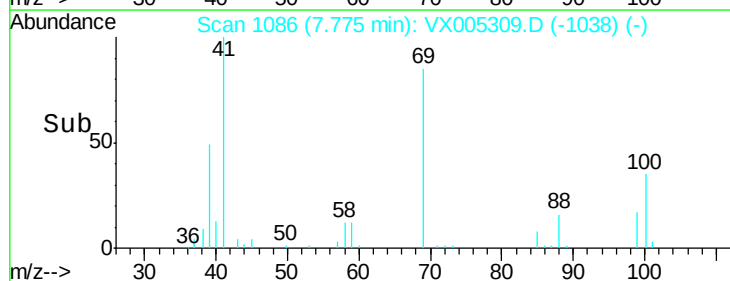
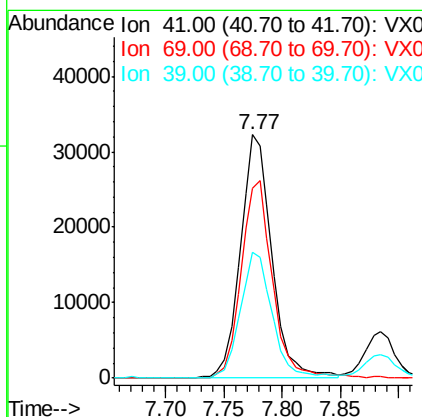
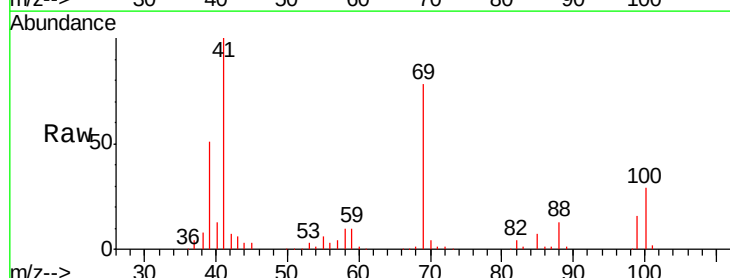
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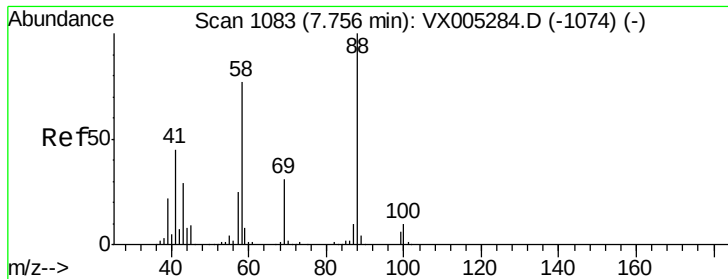
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#48
Methyl methacrylate
Concen: 19.38 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.6	70.2	105.4
39	52.9	42.7	64.1





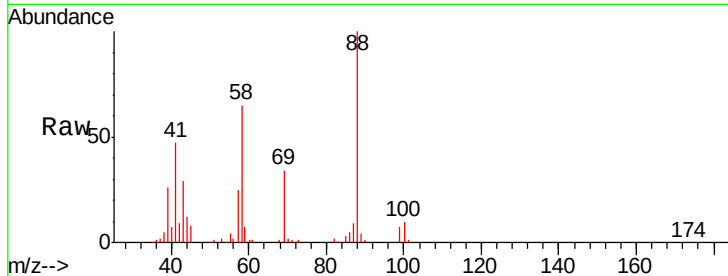
#49
1,4-Dioxane
Concen: 410.20 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

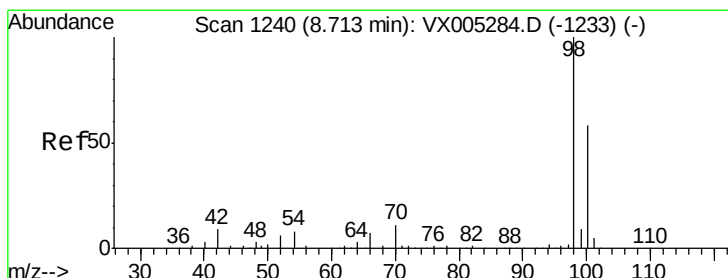
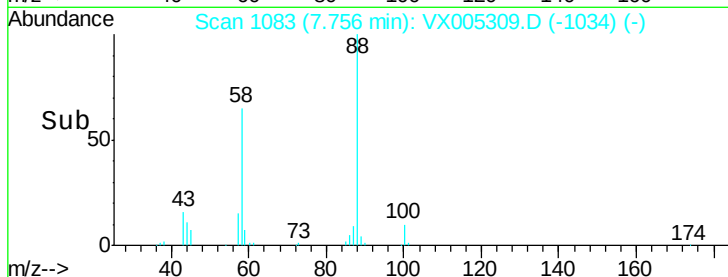
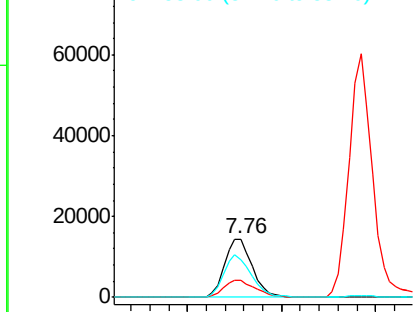
Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.7	24.7	37.1
58	72.4	55.3	82.9

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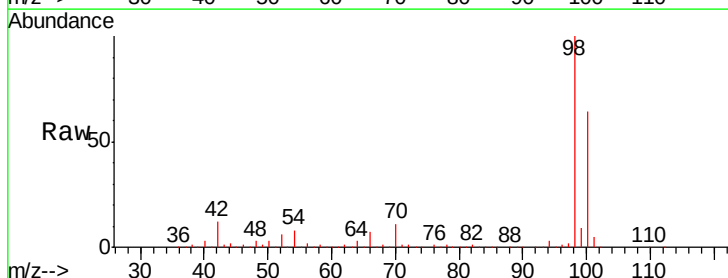


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

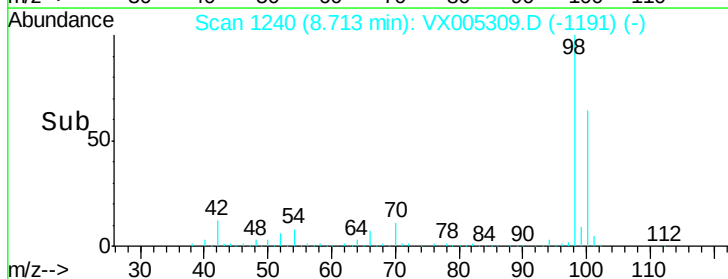
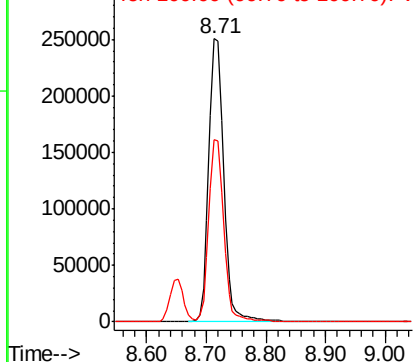


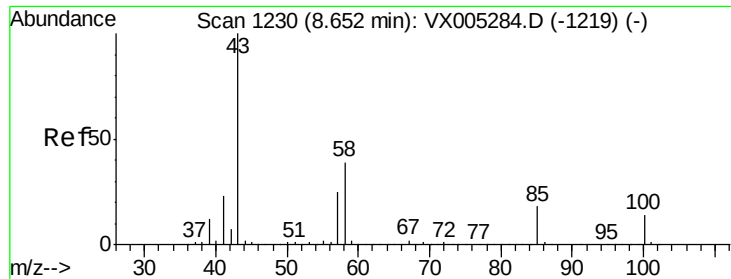
#50
Toluene-d8
Concen: 52.60 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 102.63 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tgt Ion: 43 Resp: 425256

Ion Ratio Lower Upper

43 100

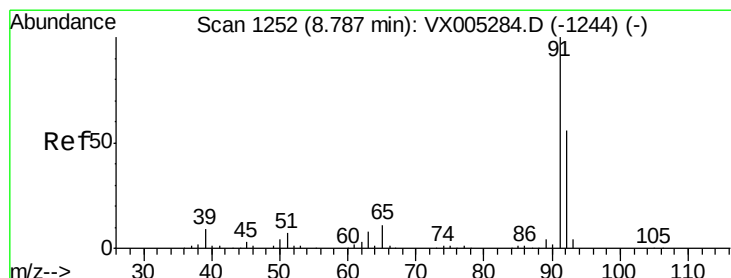
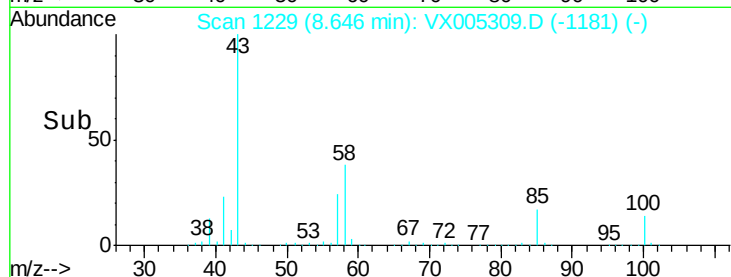
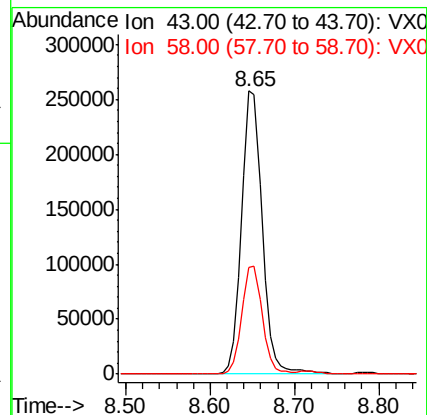
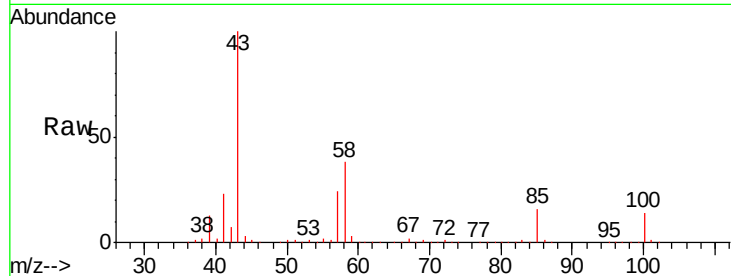
58 37.6 33.1 49.7

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#52

Toluene

Concen: 20.79 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005309.D

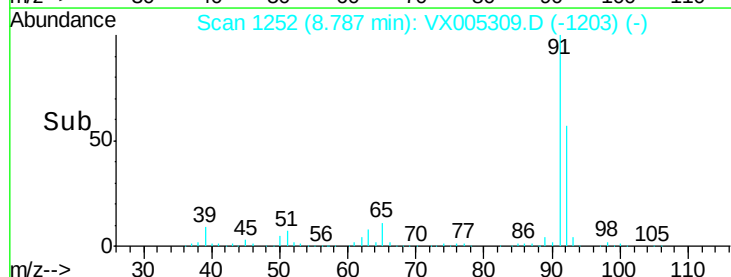
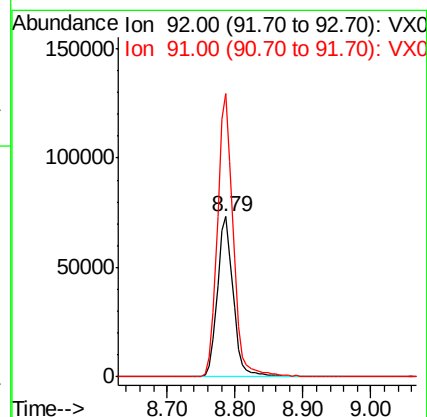
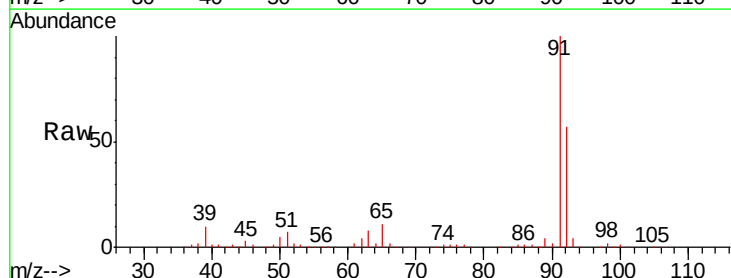
Acq: 12 Oct 2018 23:11

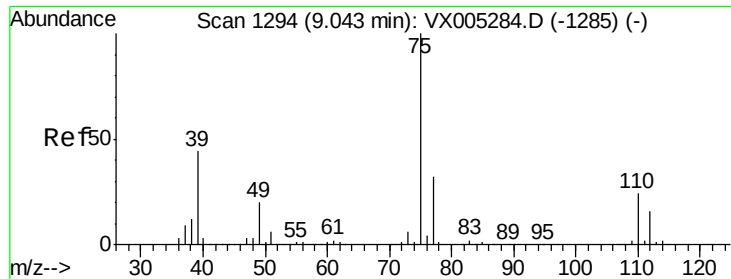
Tgt Ion: 92 Resp: 119178

Ion Ratio Lower Upper

92 100

91 175.9 136.4 204.6





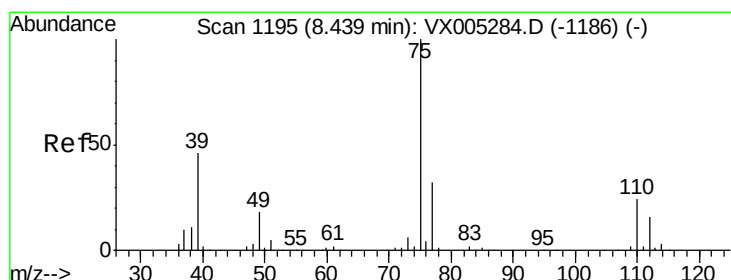
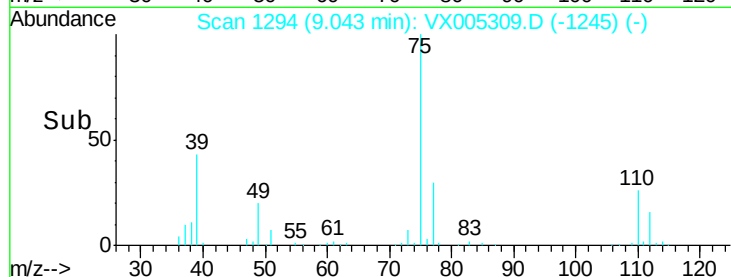
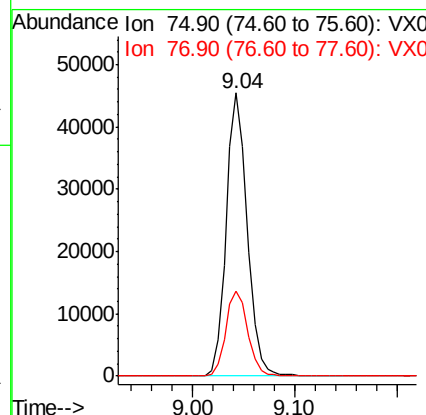
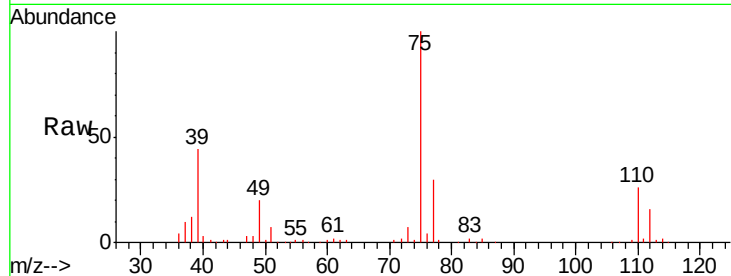
#53
t-1,3-Dichloropropene
Concen: 19.17 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion: 75 Resp: 65099
Ion Ratio Lower Upper
75 100
77 30.1 24.6 37.0

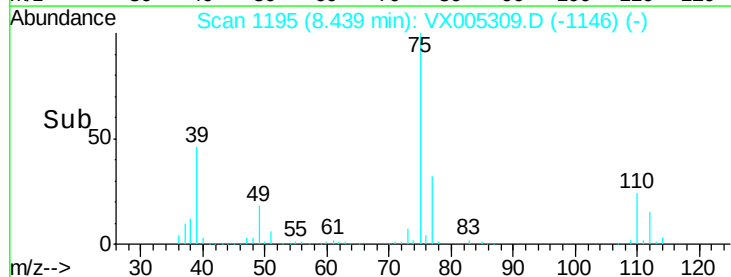
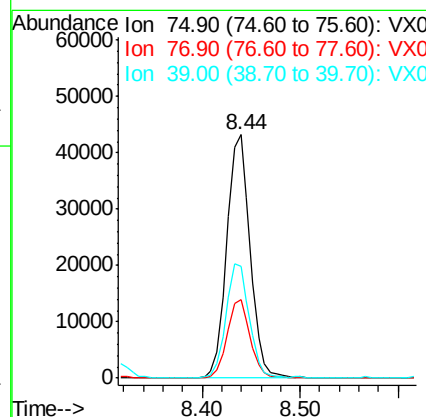
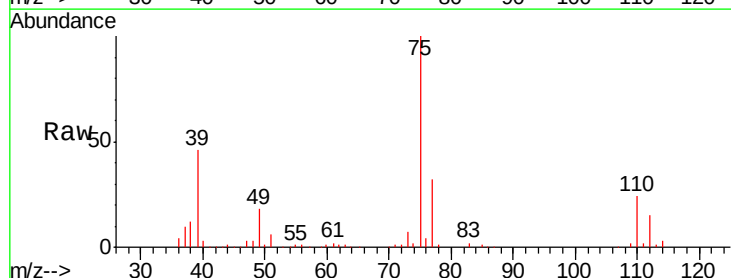
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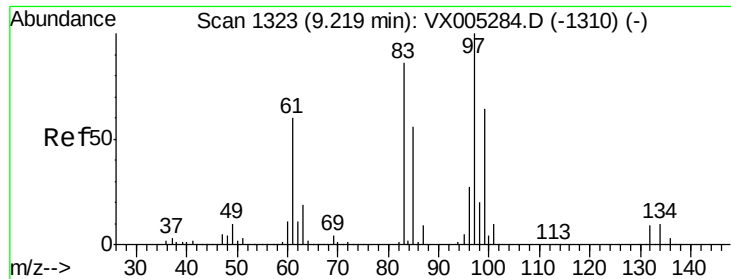
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#54
cis-1,3-Dichloropropene
Concen: 19.40 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 75 Resp: 71371
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
39 45.7 36.4 54.6





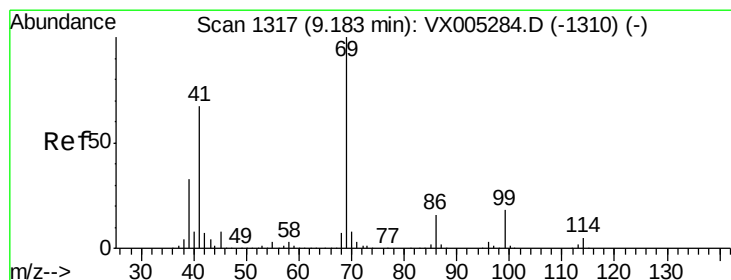
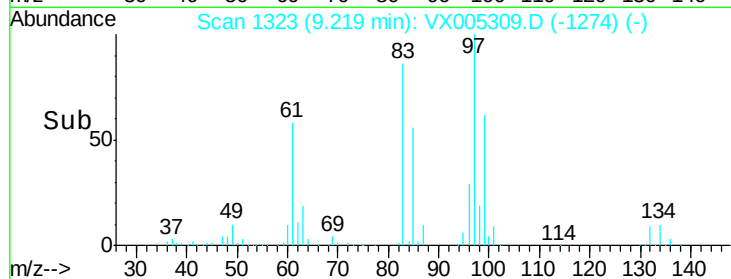
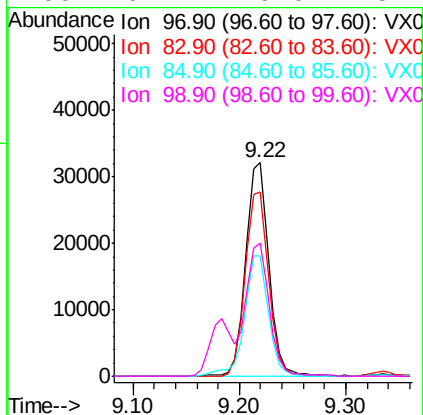
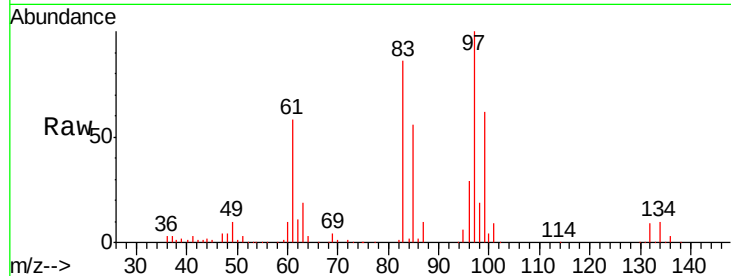
#55
 1,1,2-Trichloroethane
 Concen: 20.31 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		49306		
83	86.2	66.4	99.6		
85	56.2	43.3	64.9		
99	62.2	49.0	73.4		

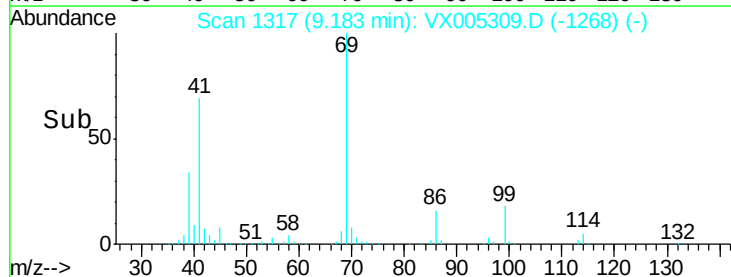
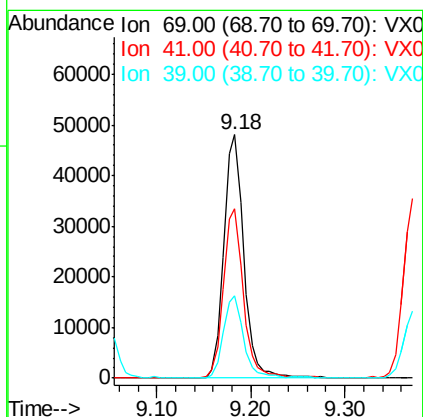
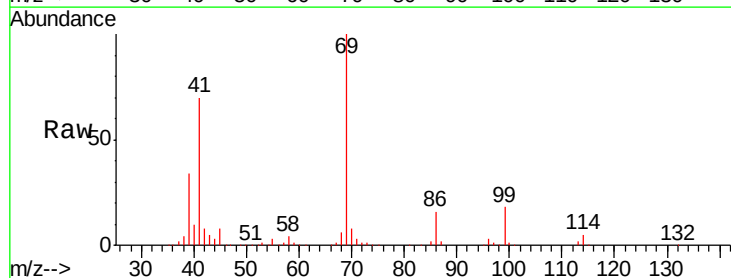
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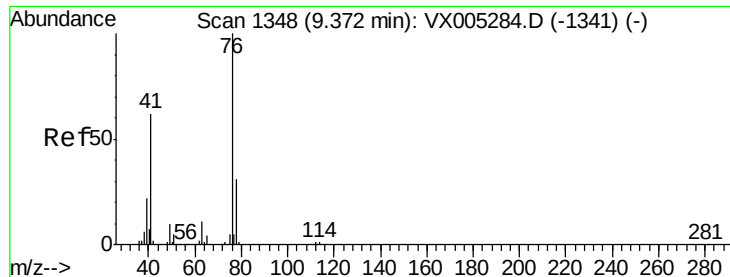
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#56
 Ethyl methacrylate
 Concen: 20.05 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70973		
41	69.9	51.0	76.4		
39	33.2	26.1	39.1		





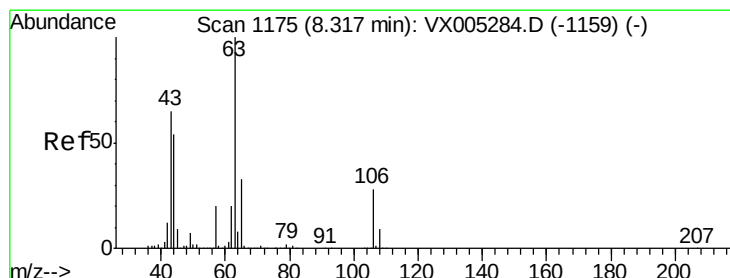
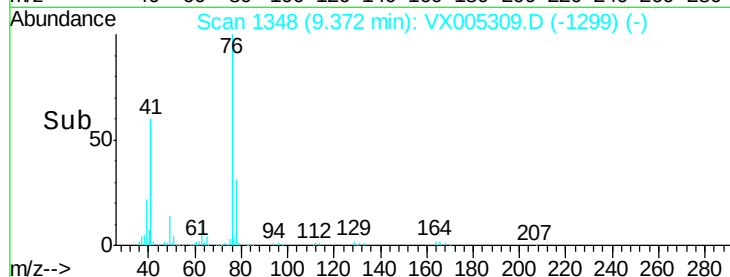
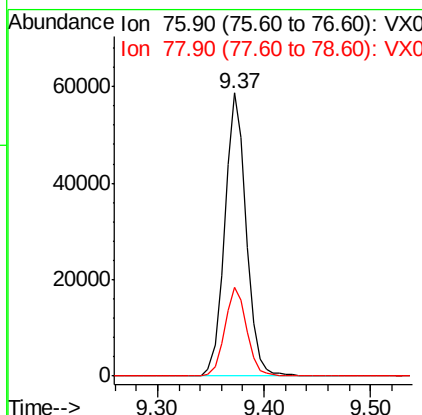
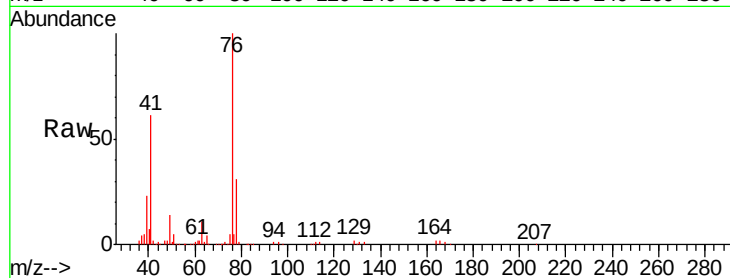
#57
 1,3-Dichloropropane
 Concen: 20.39 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion: 76 Resp: 82630
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

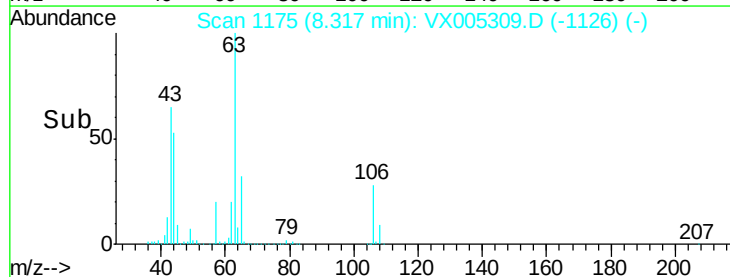
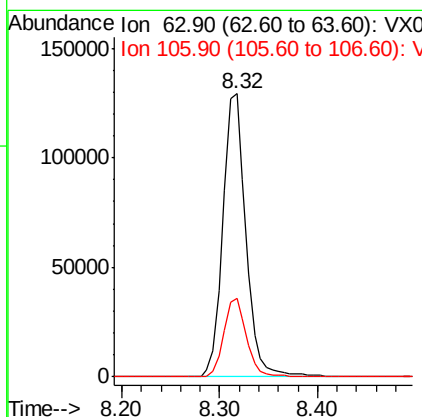
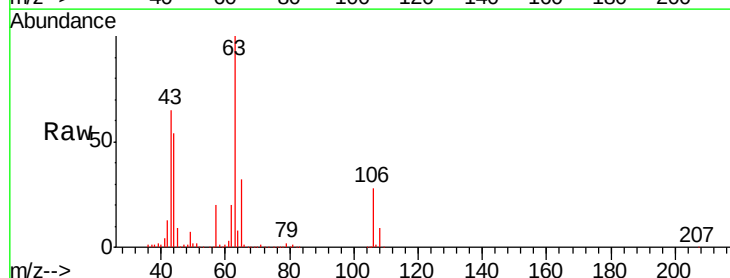
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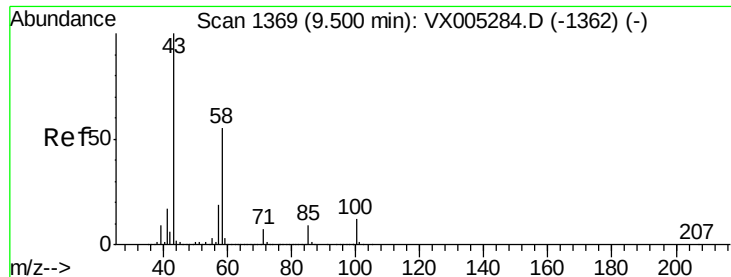
MMDadoda
 10/17/2018 1:58:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.37 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion: 63 Resp: 211161
 Ion Ratio Lower Upper
 63 100
 106 27.6 23.9 35.9





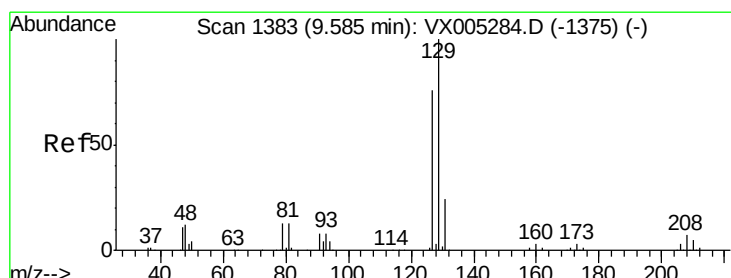
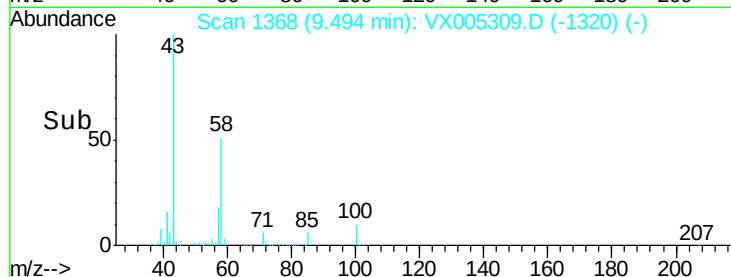
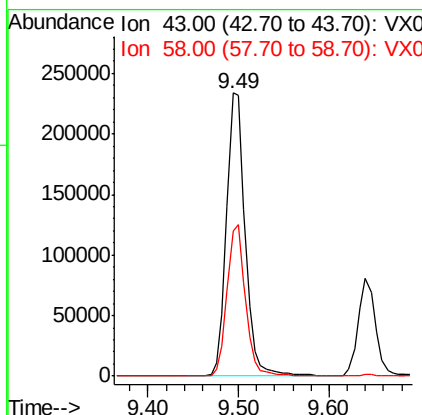
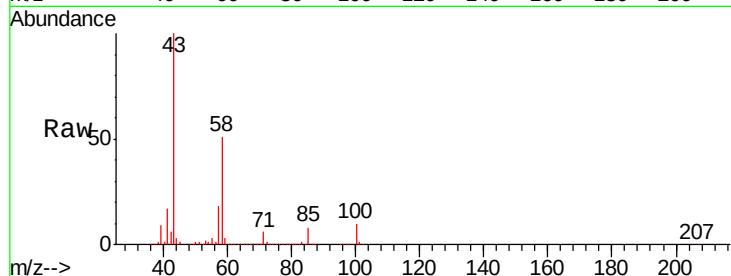
#59
2-Hexanone
Concen: 101.21 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion: 43 Resp: 337343
Ion Ratio Lower Upper
43 100
58 52.6 29.0 87.0

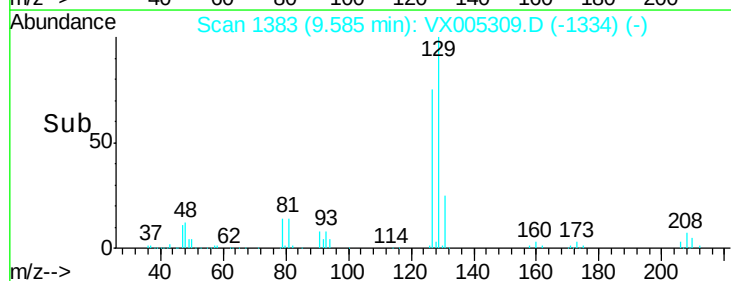
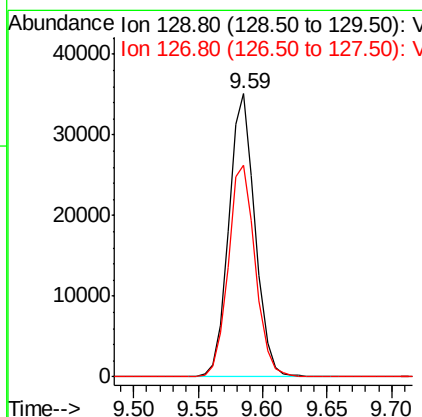
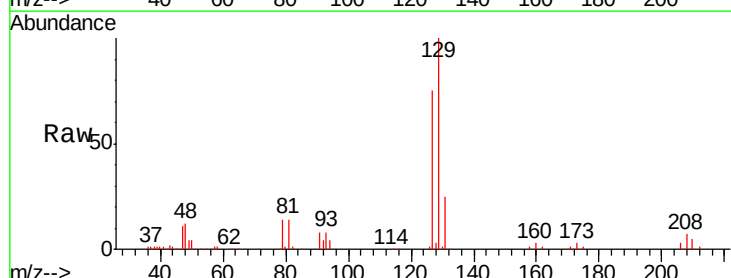
Manual Integrations
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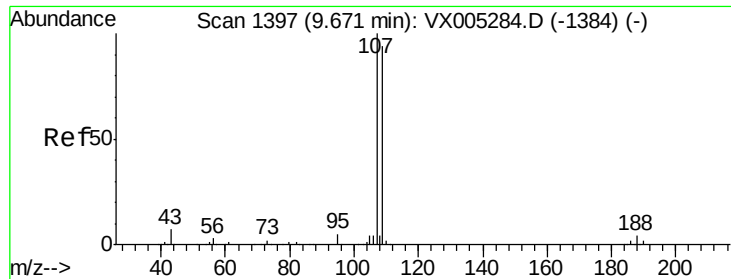
MMDadoda
10/17/2018 1:58:32 PM



#60
Dibromochloromethane
Concen: 19.95 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 129 Resp: 50084
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





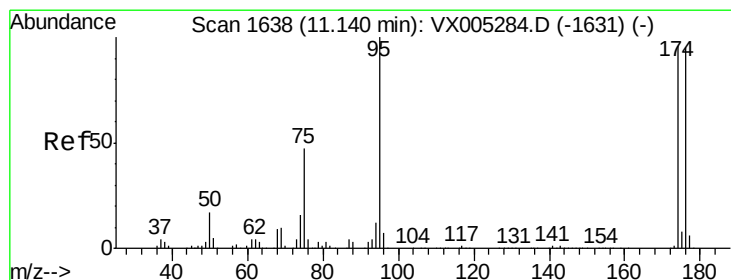
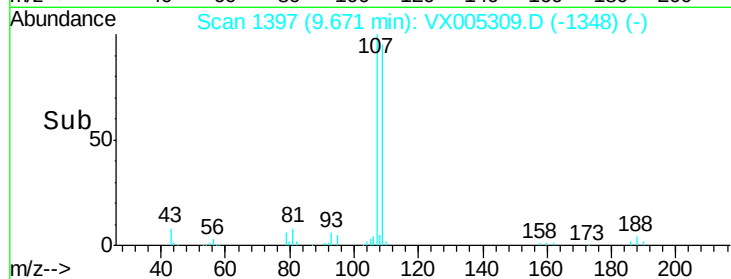
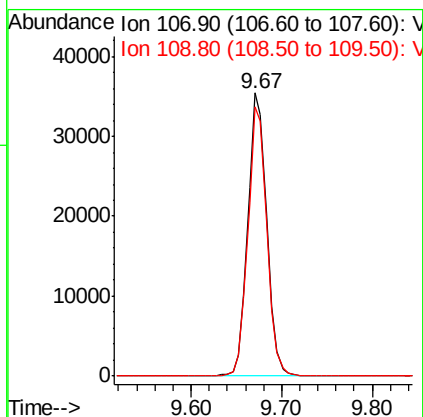
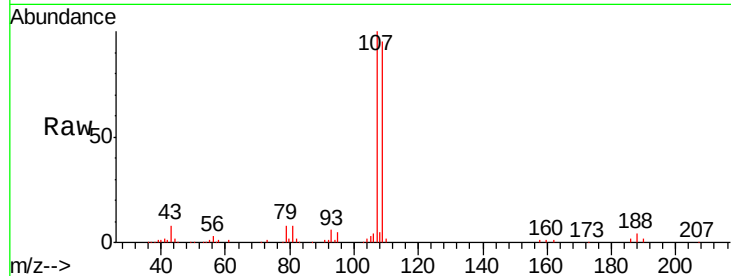
#61
 1,2-Dibromoethane
 Concen: 20.14 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion: 107 Resp: 51311
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.0 114.0

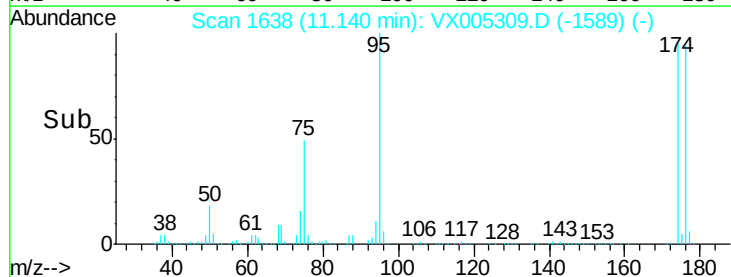
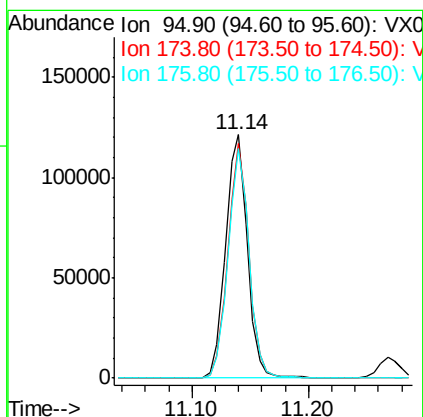
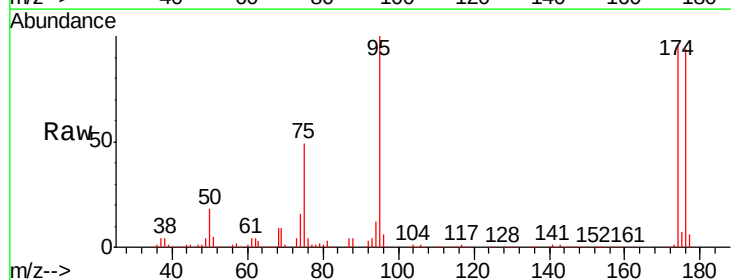
Manual Integrations
 APPROVED

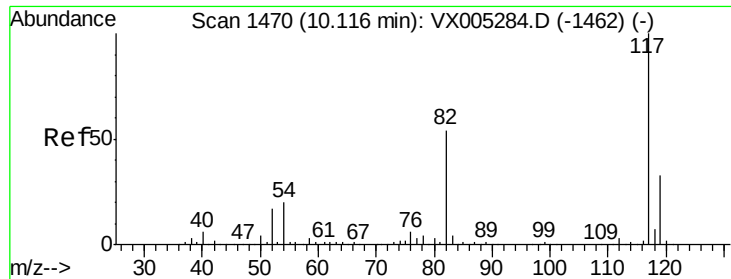
MMDadoda
 10/17/2018 1:58:32 PM



#62
 4-Bromofluorobenzene
 Concen: 50.99 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion: 95 Resp: 157093
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 185.2
 176 91.7 0.0 178.6





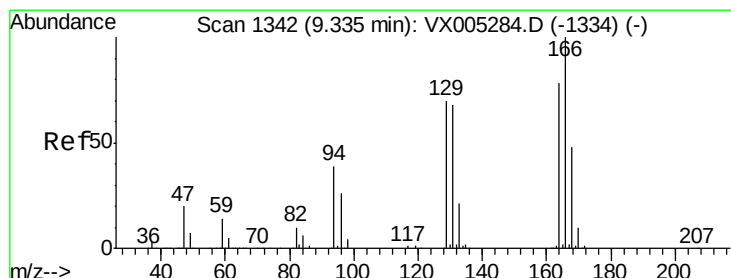
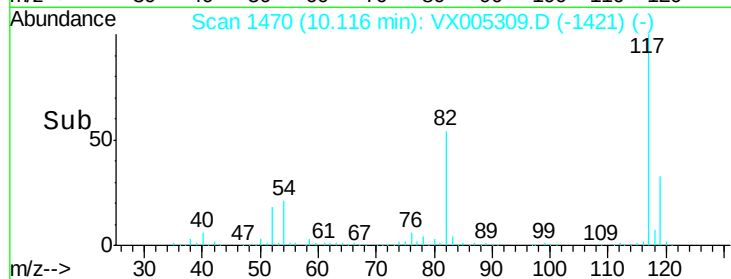
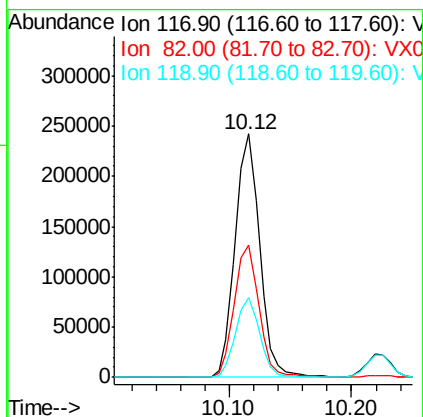
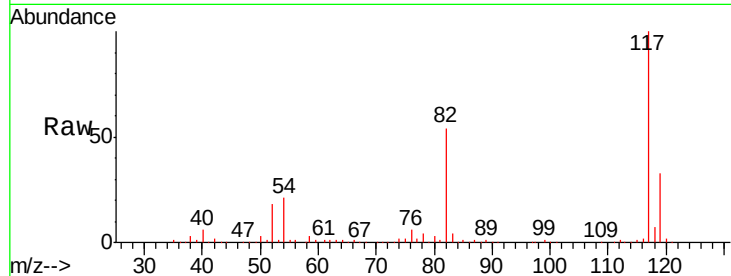
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	338198		
82	54.1	47.8	71.6	
119	32.7	29.3	43.9	

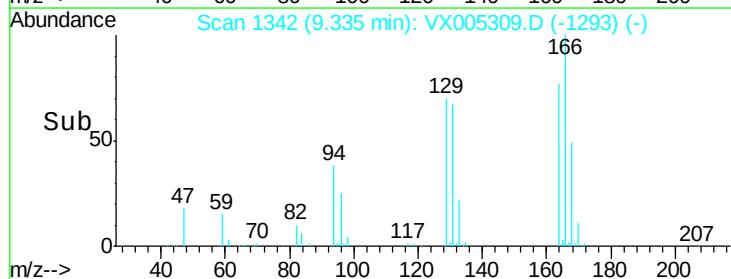
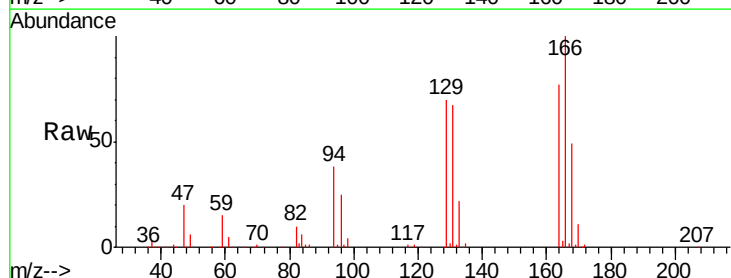
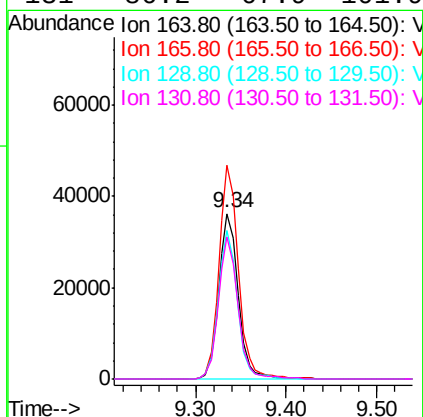
Manual Integrations
APPROVED

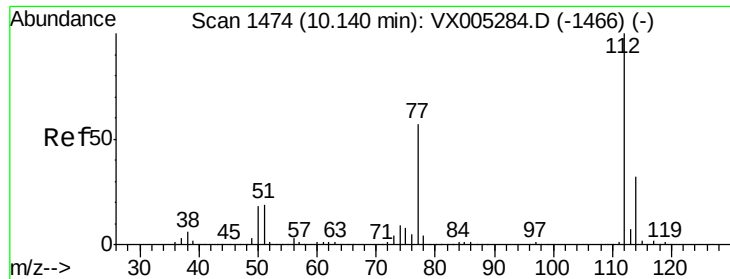
MMDadoda
10/17/2018 1:58:32 PM



#64
Tetrachloroethene
Concen: 20.01 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54484		
166	129.2	102.8	154.2	
129	89.8	69.4	104.0	
131	86.2	67.9	101.9	





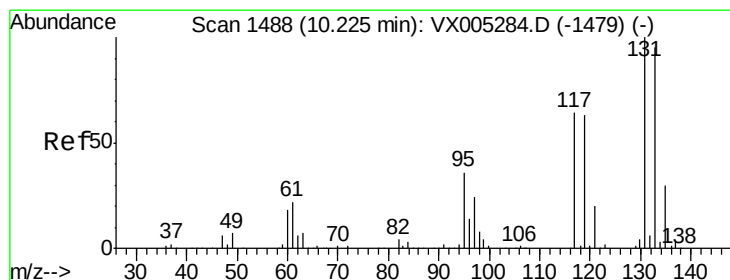
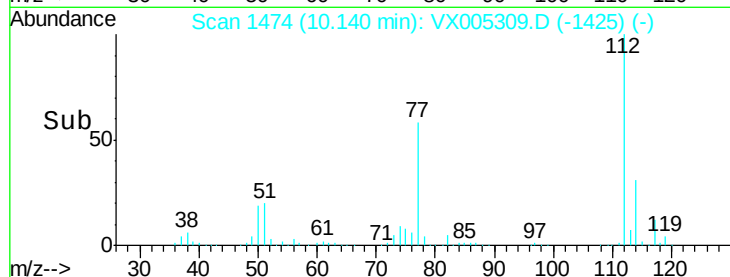
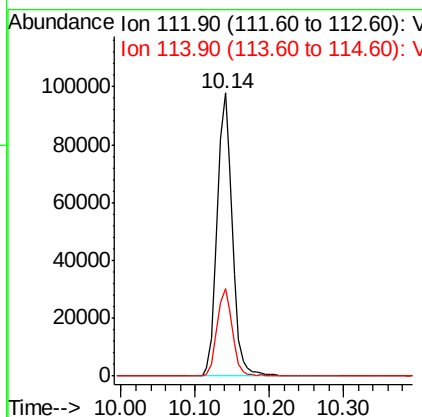
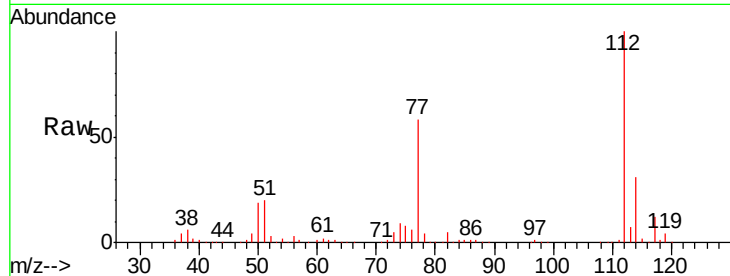
#65
Chlorobenzene
Concen: 18.98 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion:112 Resp: 136537
Ion Ratio Lower Upper
112 100
114 31.0 27.8 41.8

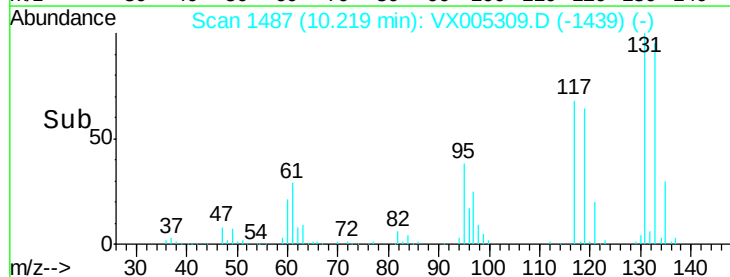
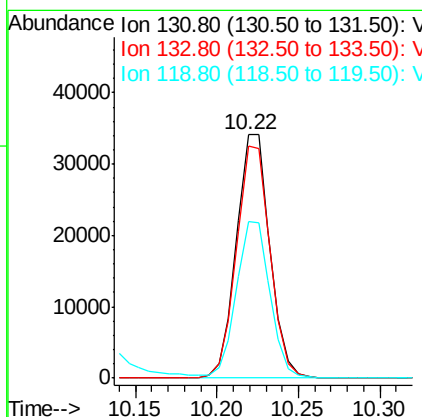
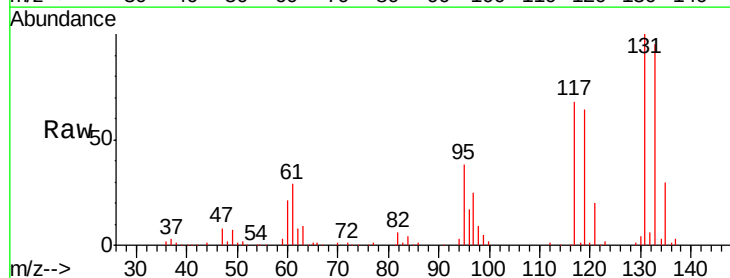
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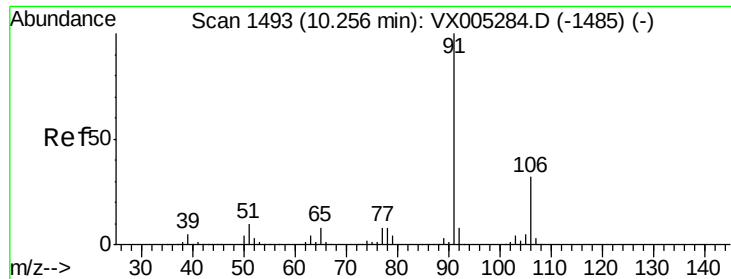
MMDadoda
10/17/2018 1:58:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.02 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion:131 Resp: 48769
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 64.7 32.9 98.6





#67

Ethyl Benzene

Concen: 18.93 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX1012MBS01

Tgt Ion: 91 Resp: 221362

Ion Ratio Lower Upper

91 100

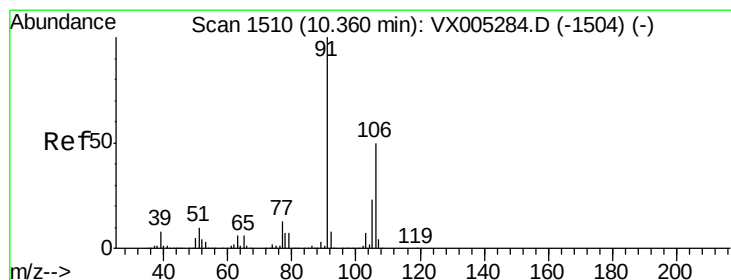
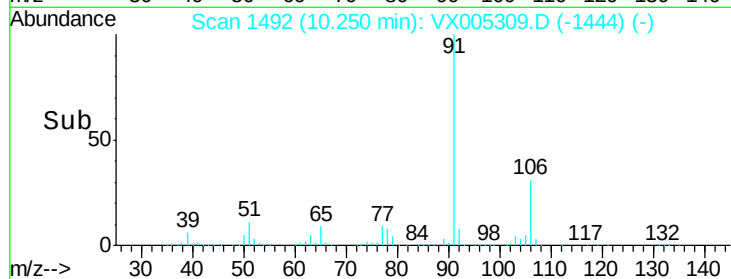
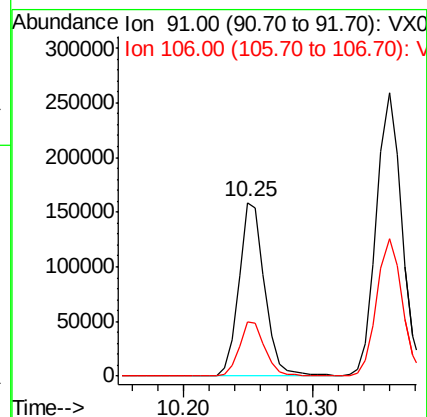
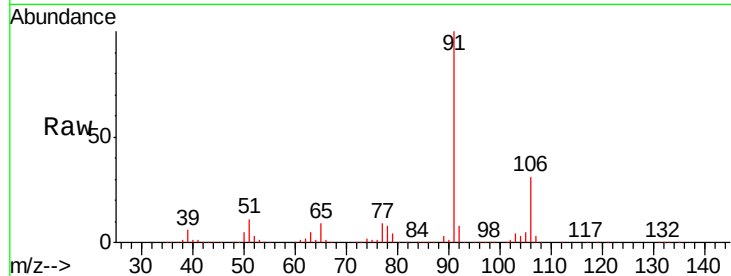
106 30.9 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.52 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005309.D

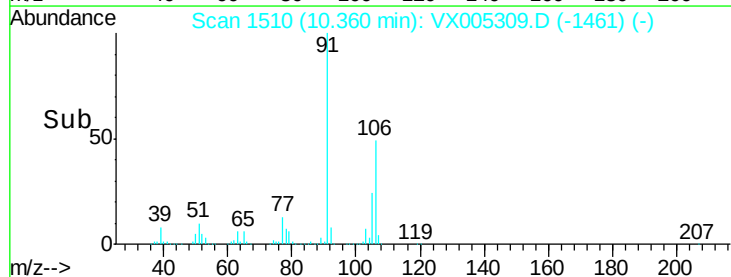
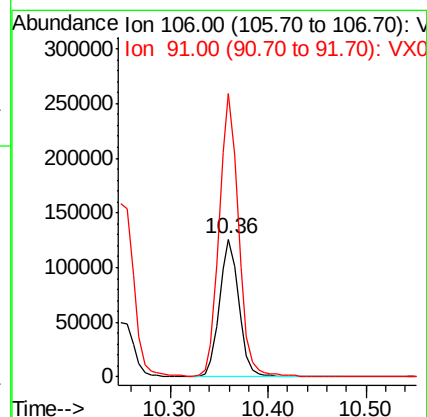
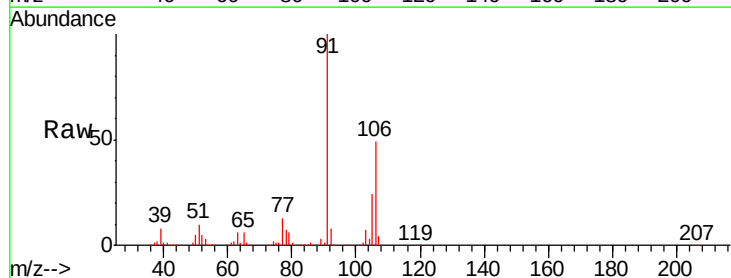
Acq: 12 Oct 2018 23:11

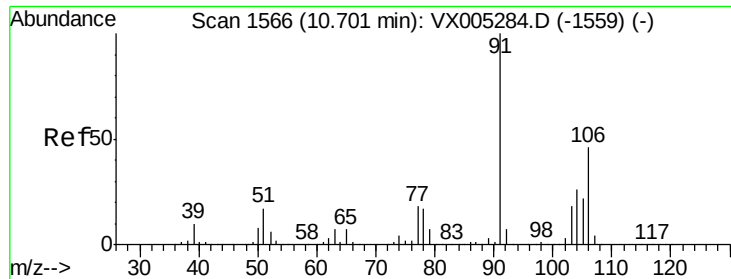
Tgt Ion: 106 Resp: 174859

Ion Ratio Lower Upper

106 100

91 205.2 157.1 235.7





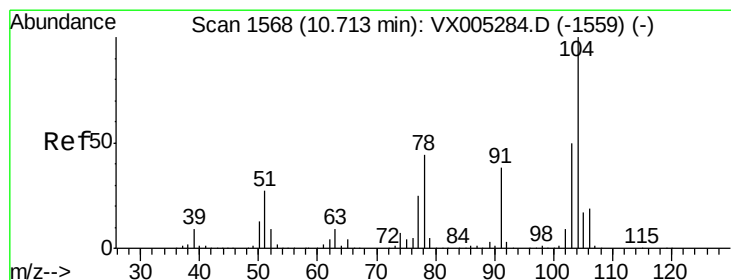
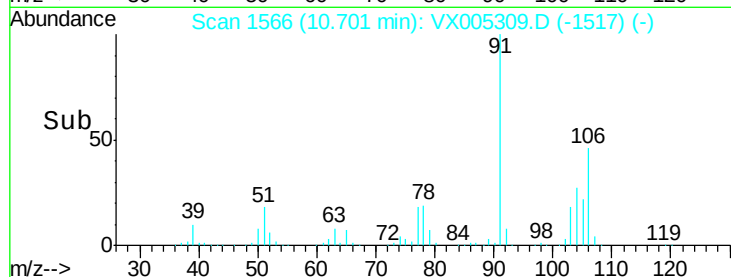
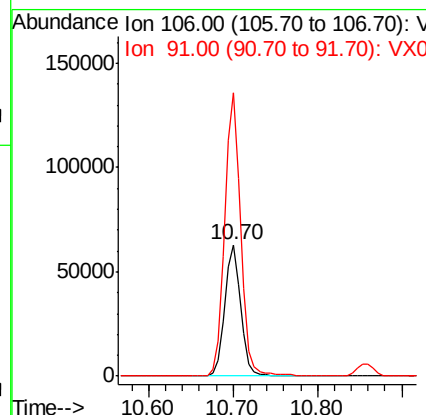
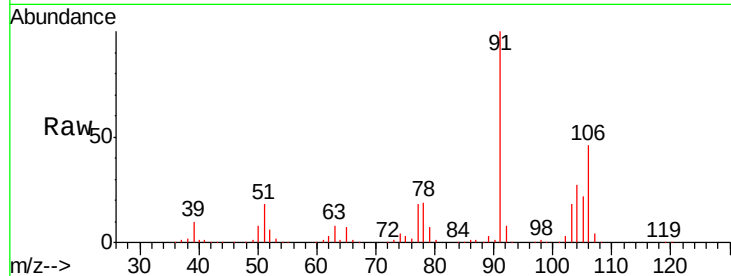
#69
o-Xylene
Concen: 19.02 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion:106 Resp: 83249
Ion Ratio Lower Upper
106 100
91 215.3 105.1 315.1

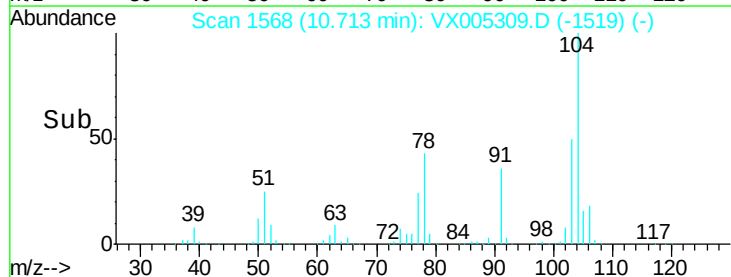
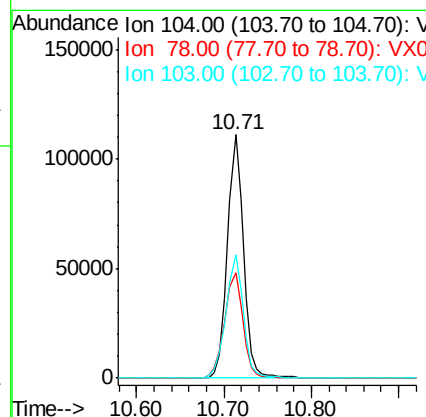
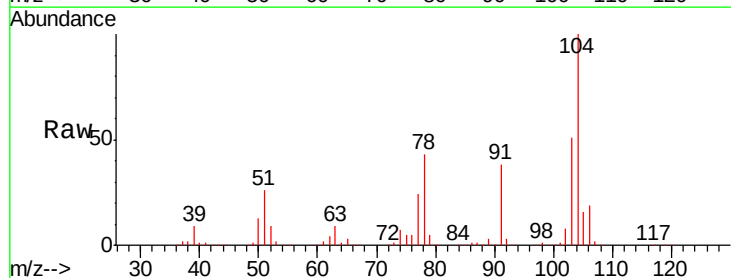
Manual Integrations
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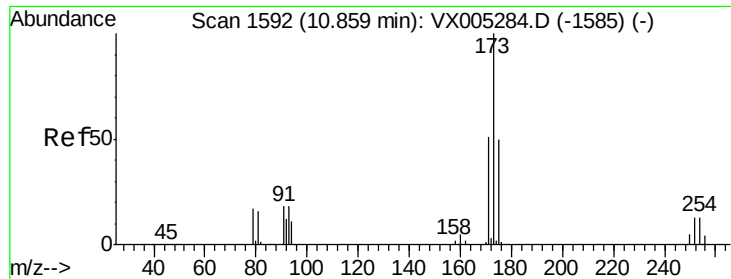
MMDadoda
10/17/2018 1:58:32 PM



#70
Styrene
Concen: 19.59 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion:104 Resp: 141052
Ion Ratio Lower Upper
104 100
78 49.9 37.4 56.0
103 55.4 43.8 65.6





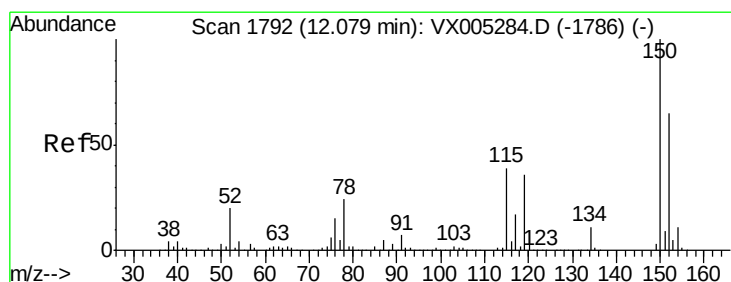
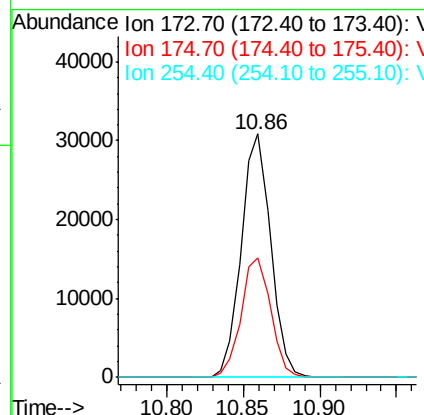
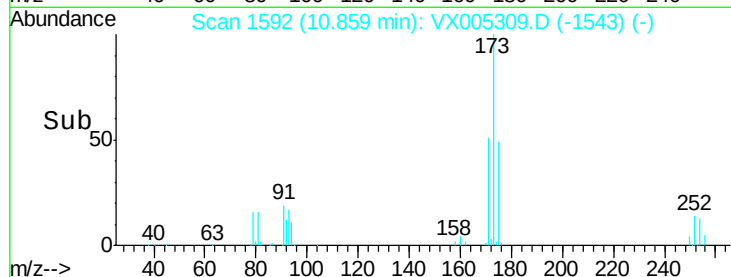
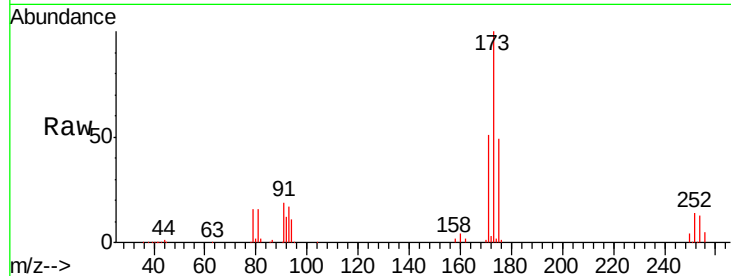
#71
Bromoform
Concen: 18.00 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.3
254	0.0	0.2	0.2

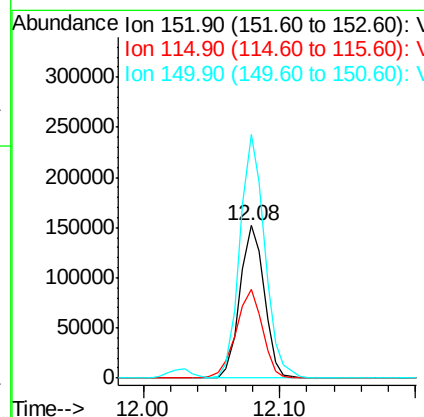
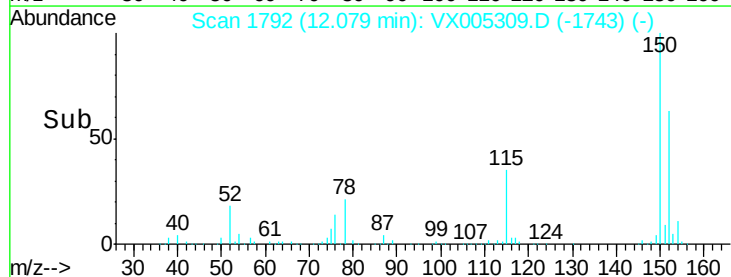
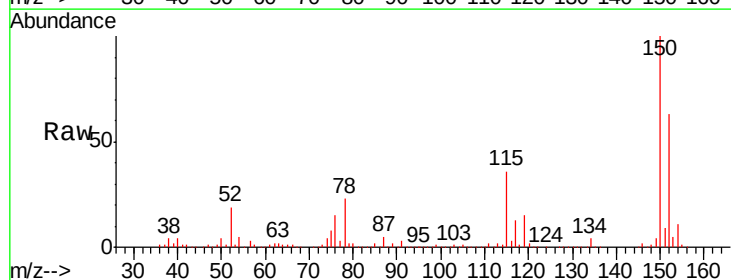
Manual Integrations
APPROVED

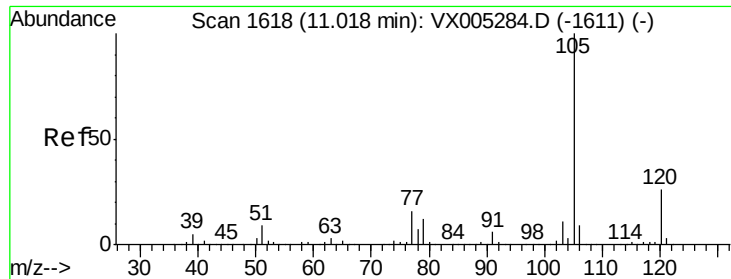
MMDadoda
10/17/2018 1:58:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	39.0	117.0
150	163.6	0.0	351.0





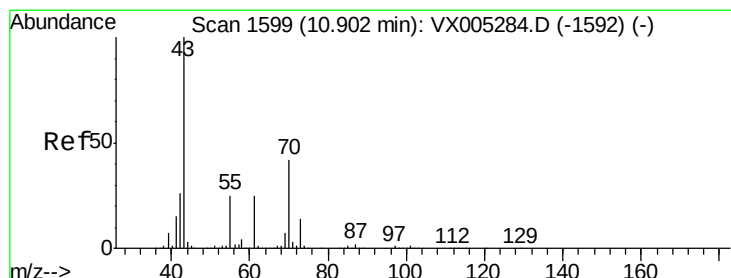
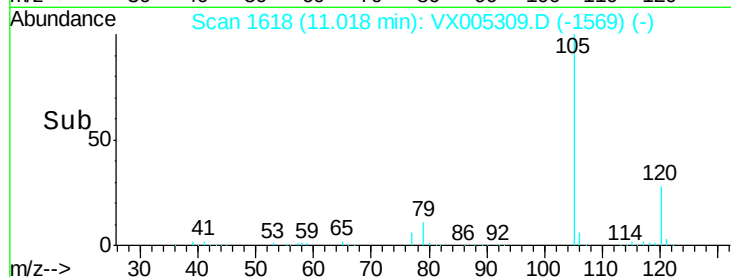
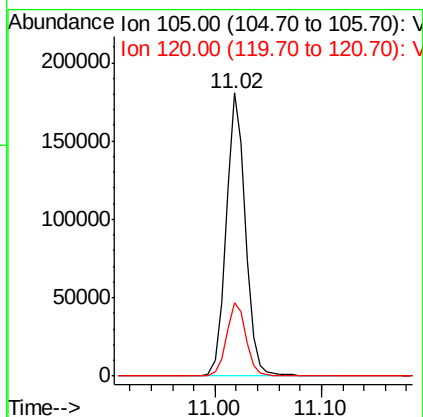
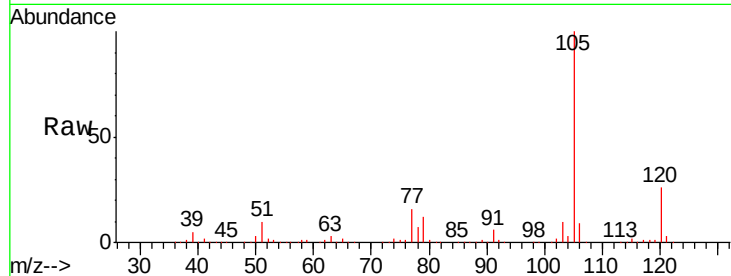
#73
Isopropylbenzene
Concen: 20.36 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX1012MBS01

Tgt Ion: 105 Resp: 228789
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4

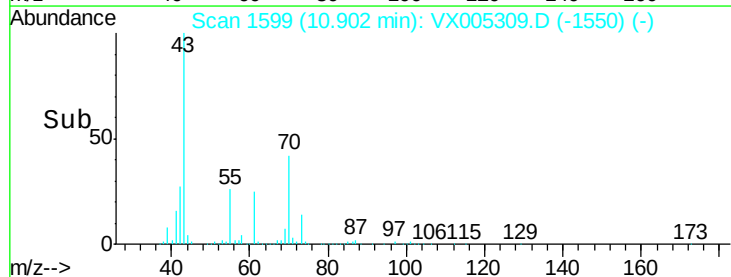
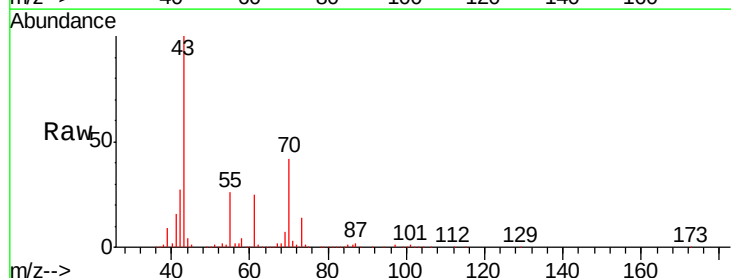
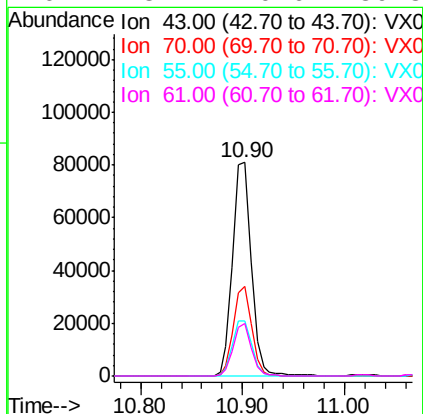
Manual Integrations
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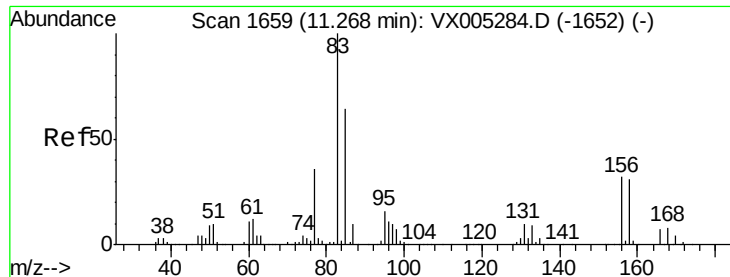
MMDadoda
10/17/2018 1:58:32 PM



#74
N-ethyl acetate
Concen: 19.02 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005309.D
Acq: 12 Oct 2018 23:11

Tgt Ion: 43 Resp: 103090
Ion Ratio Lower Upper
43 100
70 41.1 37.4 56.0
55 26.9 21.8 32.8
61 23.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.78 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

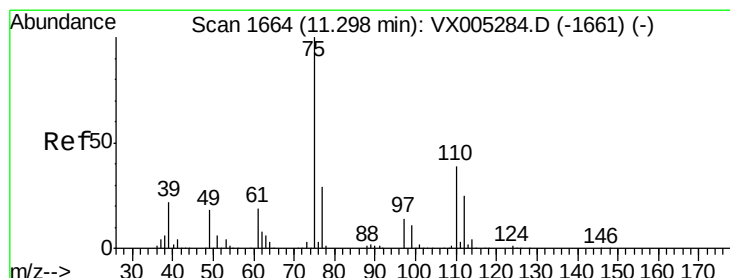
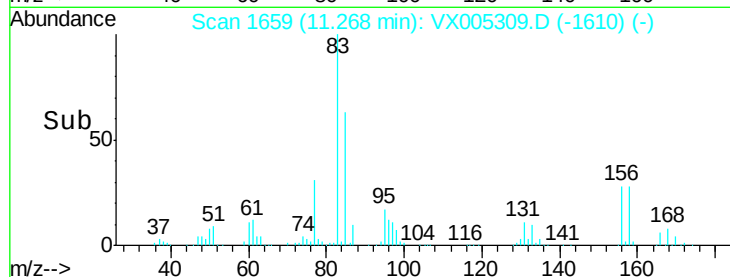
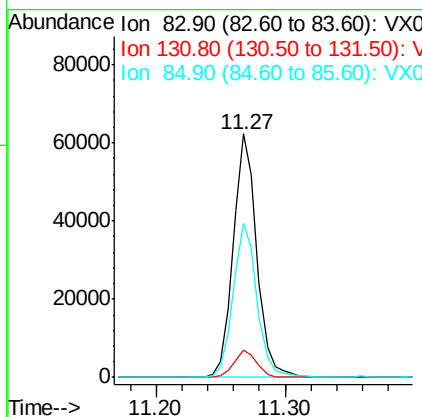
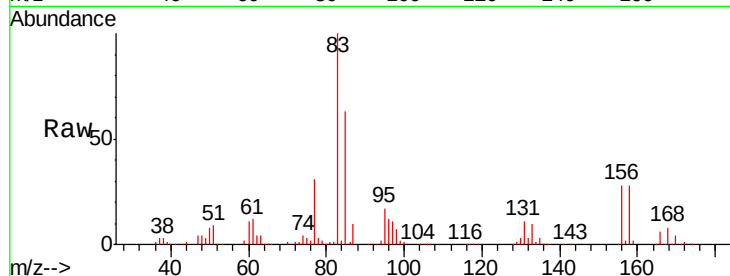
ClientSampleId :

VX1012MBS01

Tgt Ion:	83	Resp:	79614
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	64.4	32.3	96.8

Manual Integrations
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10/17/2018 1:58:32 PM



#76

1,2,3-Trichloropropane

Concen: 20.41 ug/l m

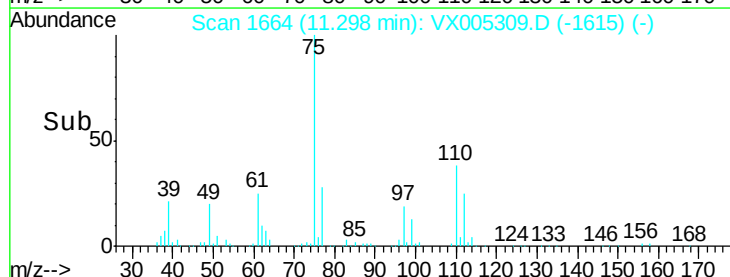
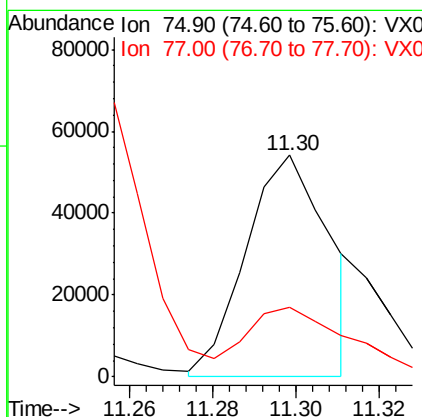
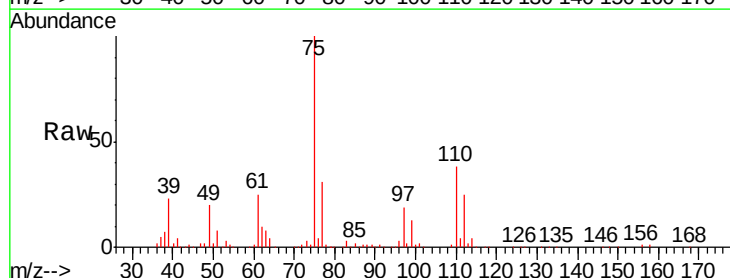
RT: 11.30 min Scan# 1664

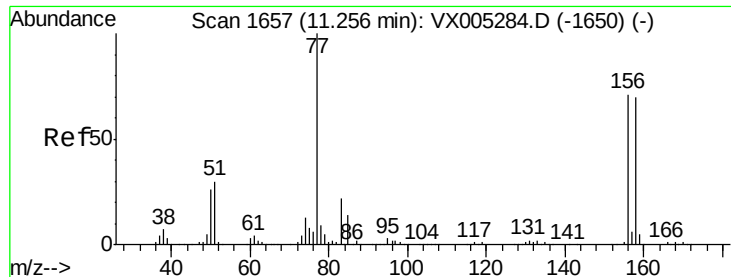
Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	75	Resp:	74833
Ion	Ratio	Lower	Upper
75	100		
77	39.3	20.2	60.6





#77

Bromobenzene

Concen: 19.65 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

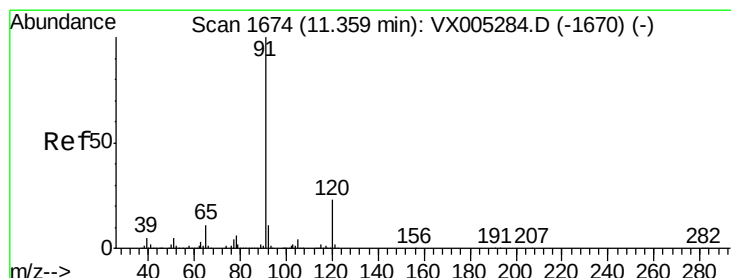
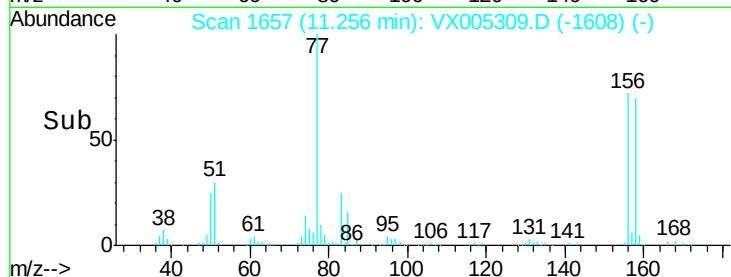
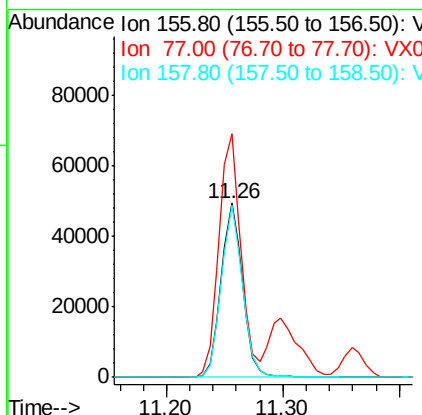
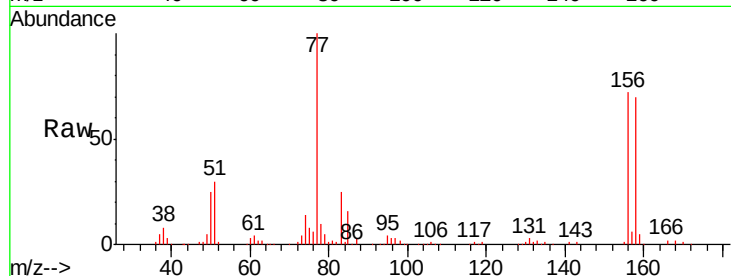
ClientSampleId :

VX1012MBS01

Tgt Ion:	156	Resp:	63151
Ion Ratio	Lower	Upper	
156	100		
77	142.5	71.5	214.3
158	97.5	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.25 ug/l

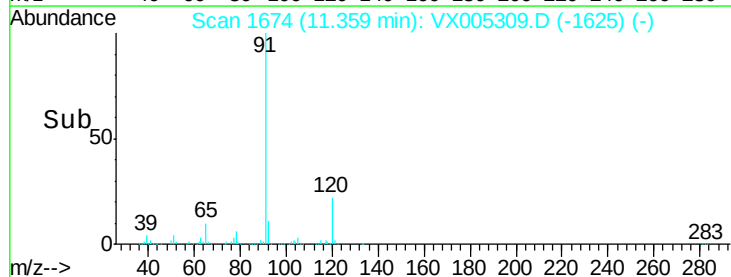
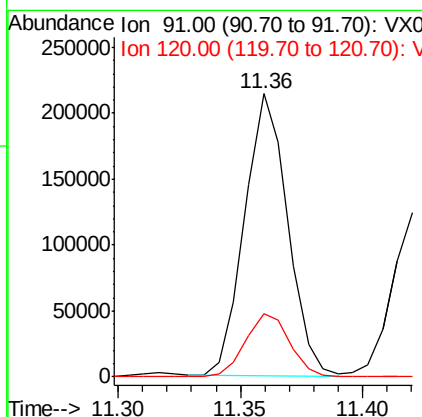
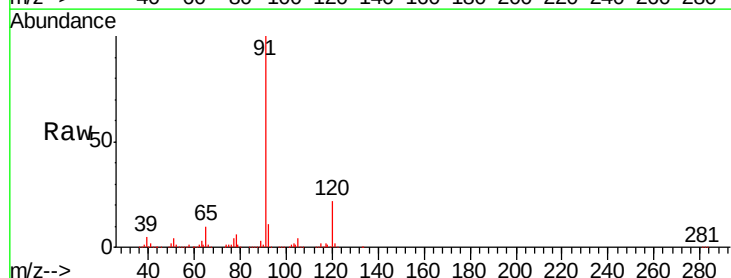
RT: 11.36 min Scan# 1674

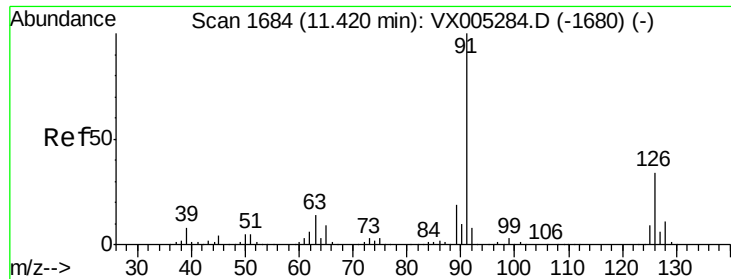
Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	91	Resp:	261817
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.9





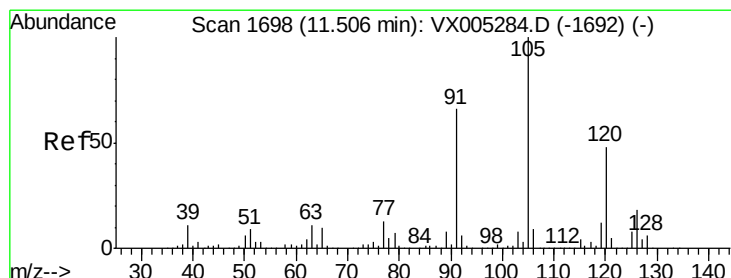
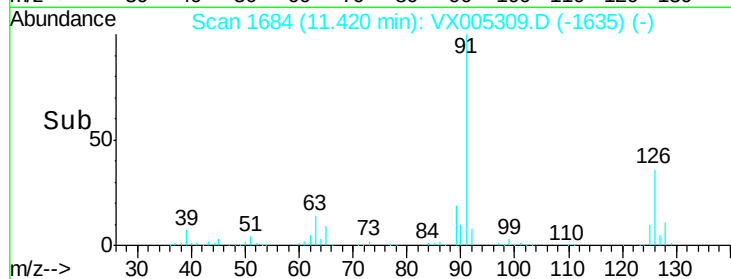
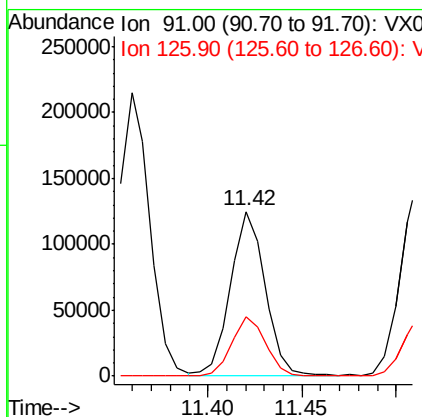
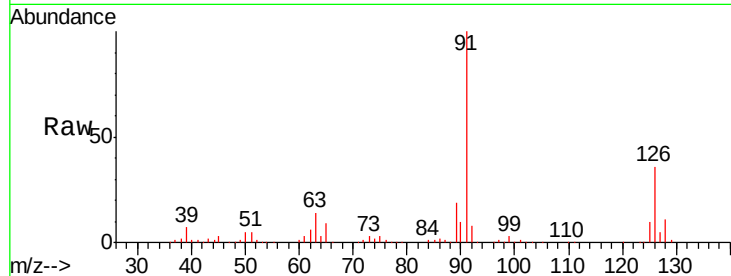
#79
 2-Chlorotoluene
 Concen: 19.93 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion: 91 Resp: 157870
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.9 53.7

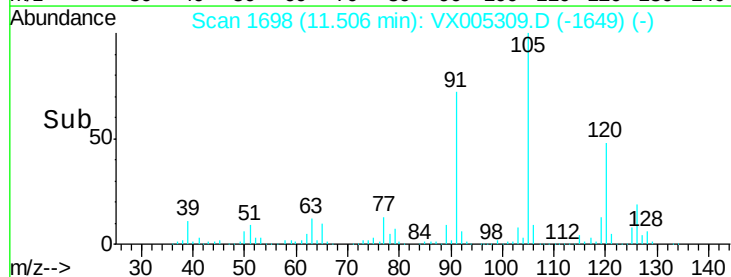
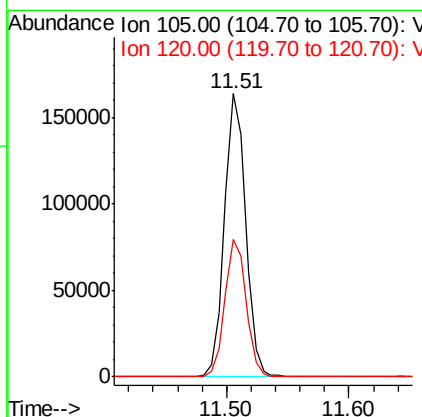
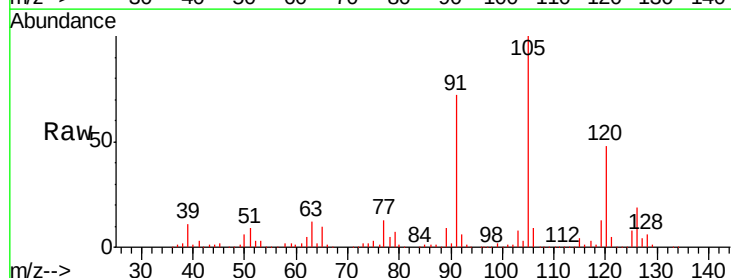
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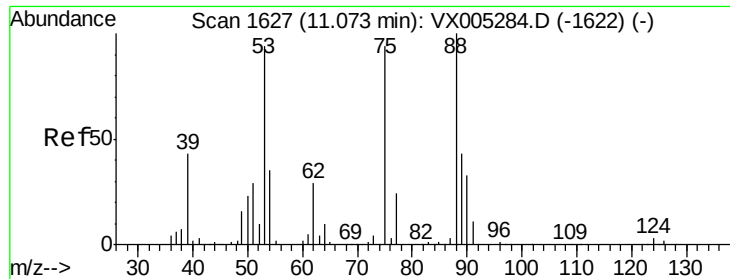
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.39 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion: 105 Resp: 196259
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.73 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

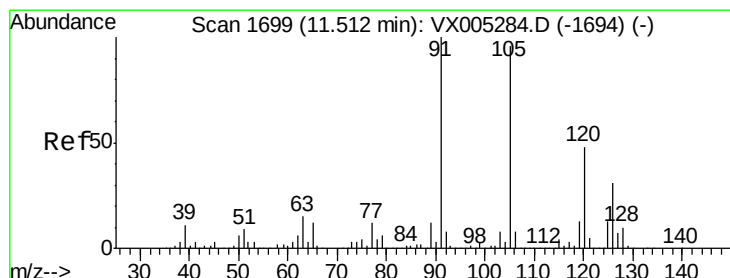
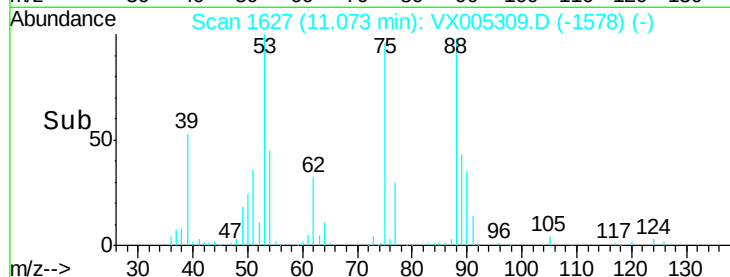
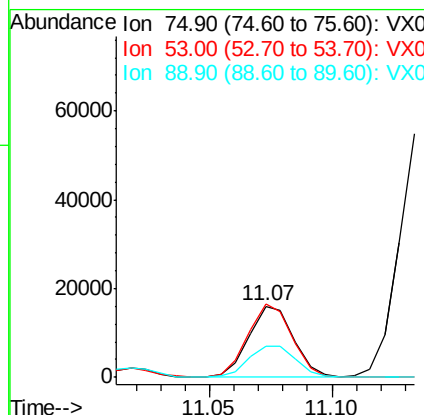
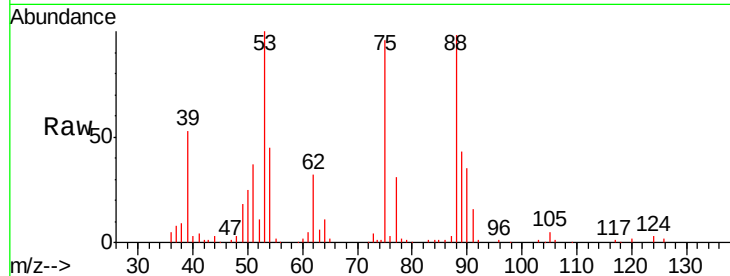
ClientSampleId :

VX1012MBS01

Tgt Ion:	75	Resp:	20191
Ion Ratio	Lower	Upper	
75	100		
53	103.7	80.1	120.1
89	47.5	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.85 ug/l

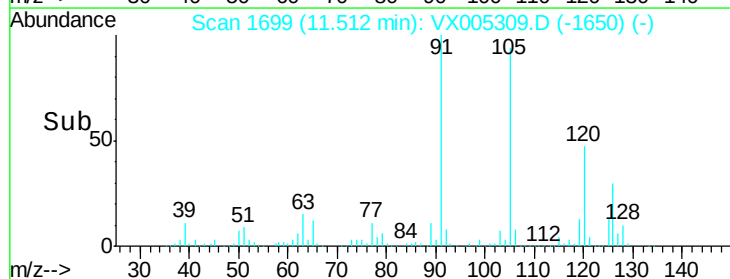
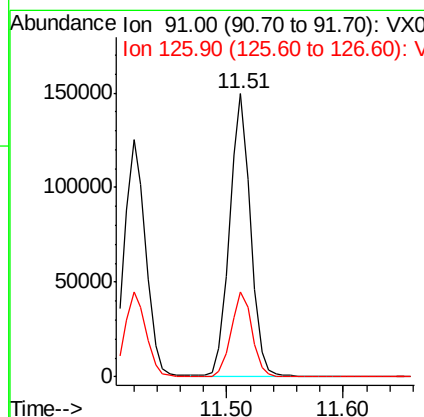
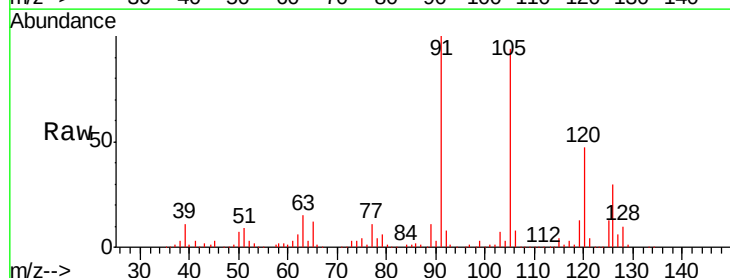
RT: 11.51 min Scan# 1699

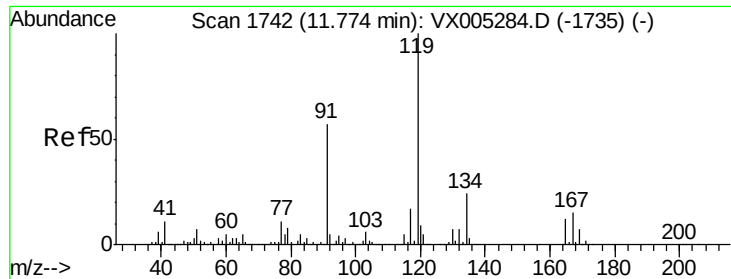
Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	91	Resp:	186395
Ion Ratio	Lower	Upper	
91	100		
126	30.4	15.5	46.5





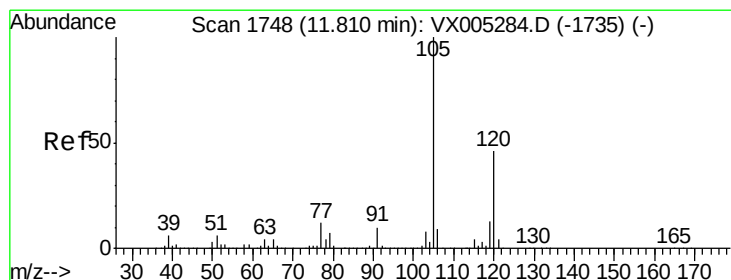
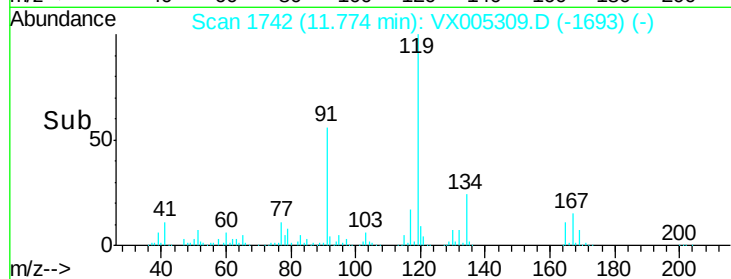
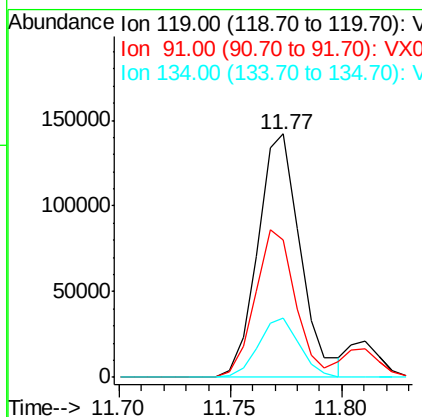
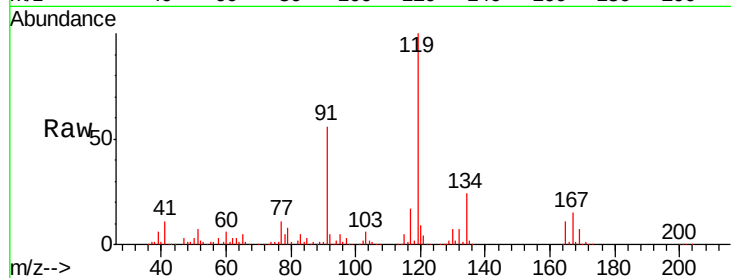
#83
 tert-Butylbenzene
 Concen: 19.44 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	189446		
91	57.1	27.0	81.0	
134	23.6	11.7	35.1	

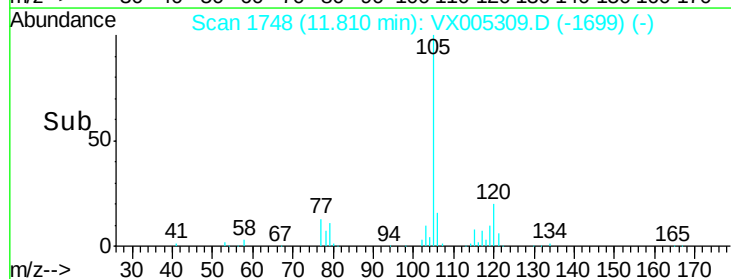
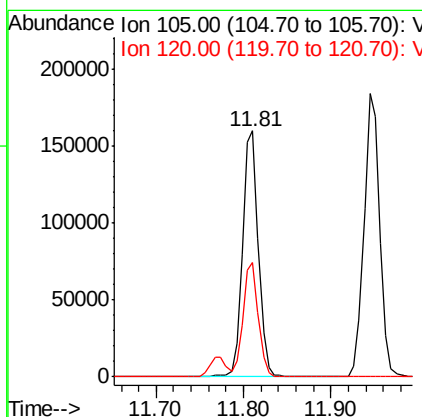
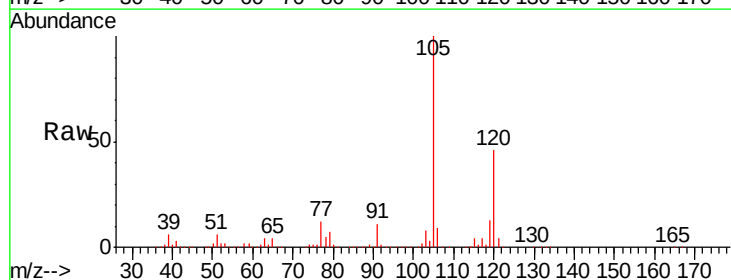
Manual Integrations
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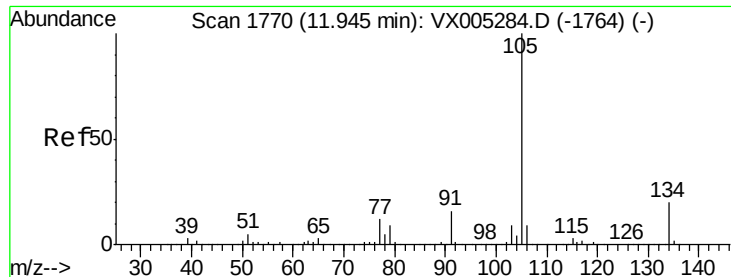
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.38 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	201794		
120	45.0	23.2	69.6	





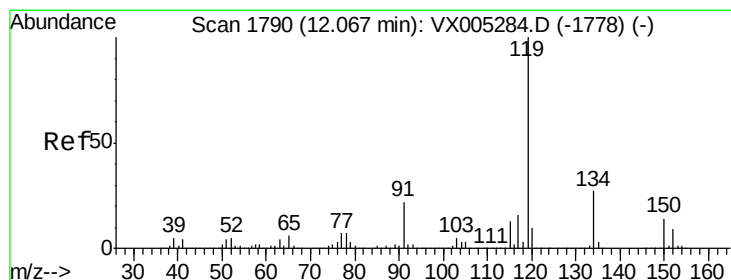
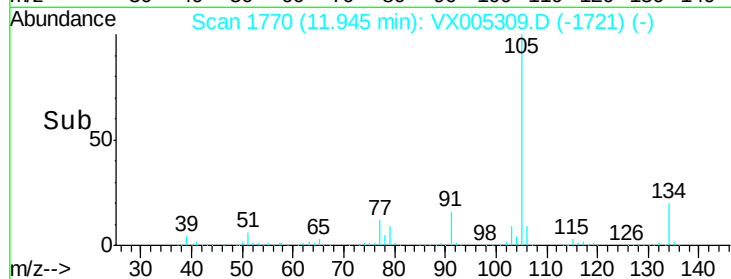
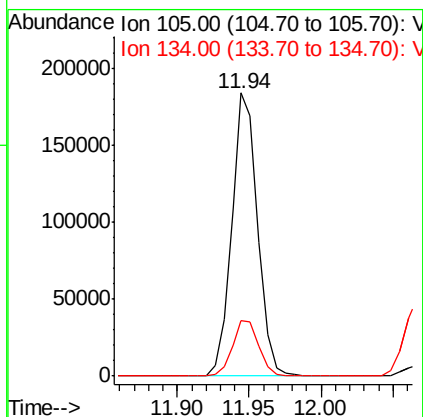
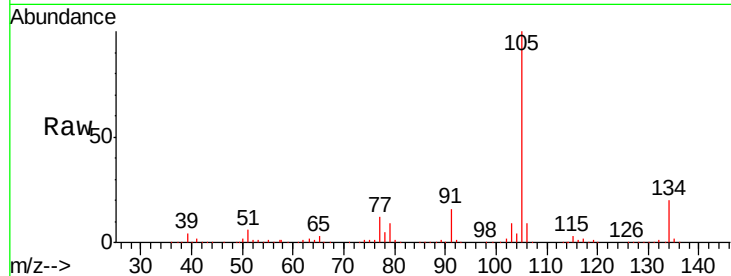
#85
 sec-Butylbenzene
 Concen: 20.04 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.5	31.5

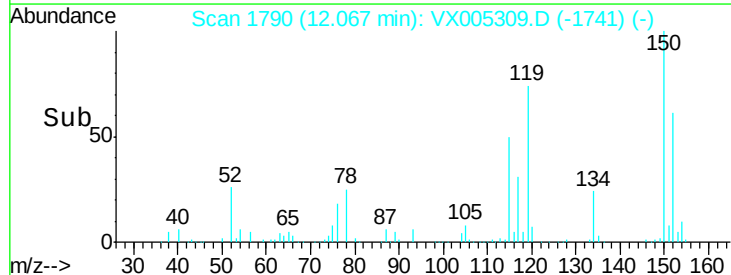
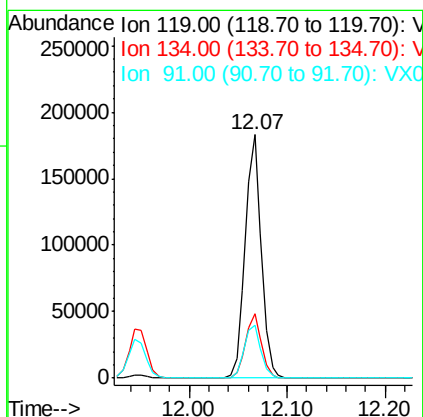
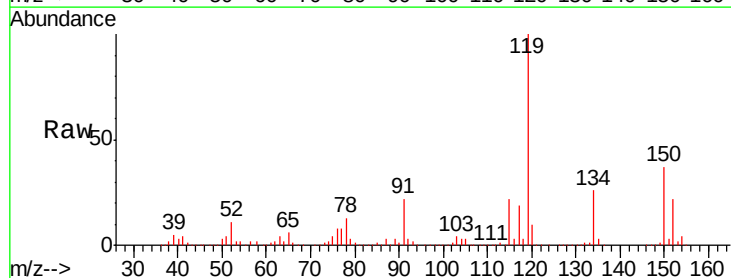
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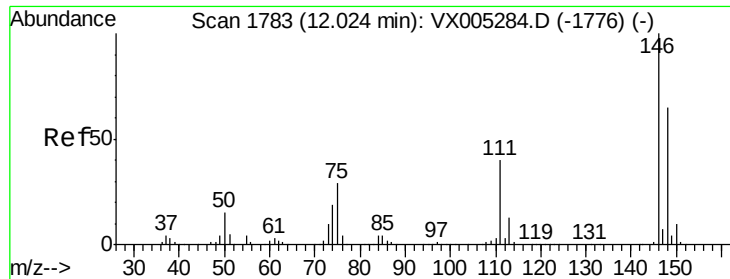
MMDadoda
 10/17/2018 1:58:32 PM



#86
 p-Isopropyltoluene
 Concen: 20.07 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.4	40.2
91	22.8	10.9	32.7





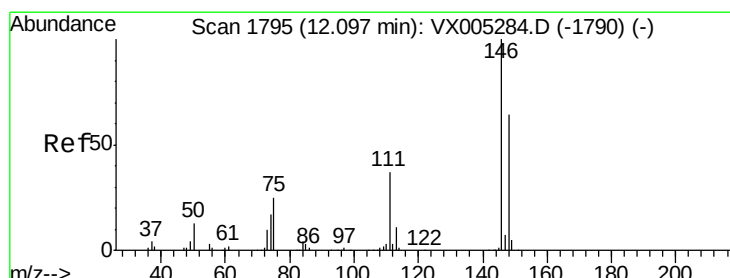
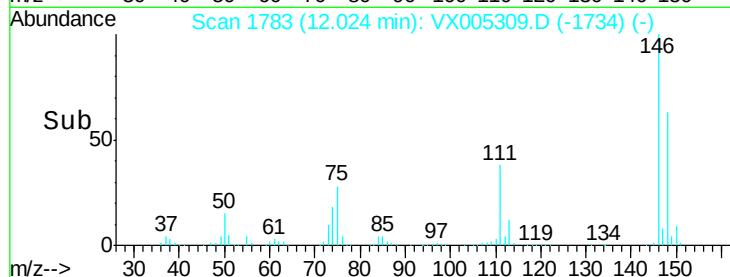
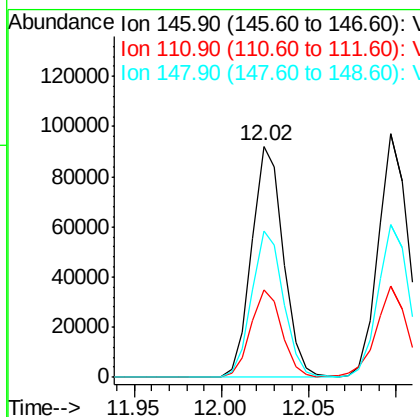
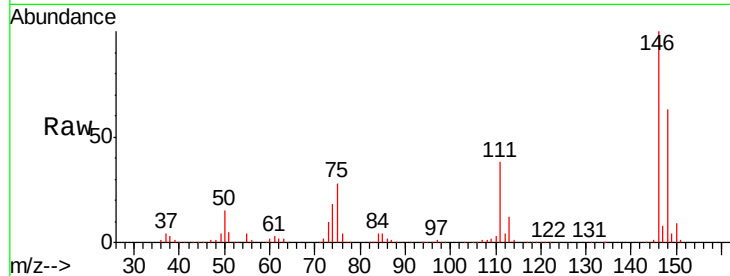
#87
 1,3-Dichlorobenzene
 Concen: 19.36 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	63.5	32.1	96.5

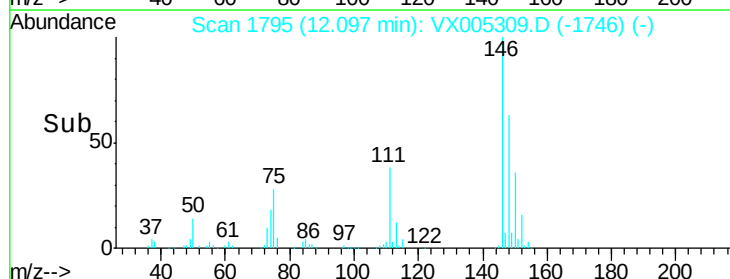
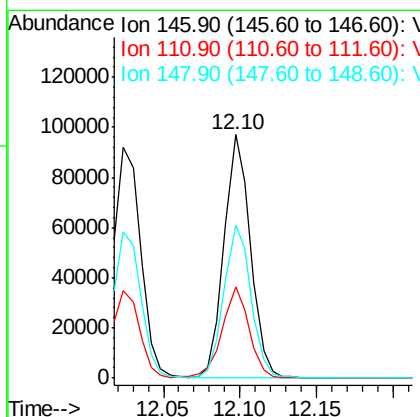
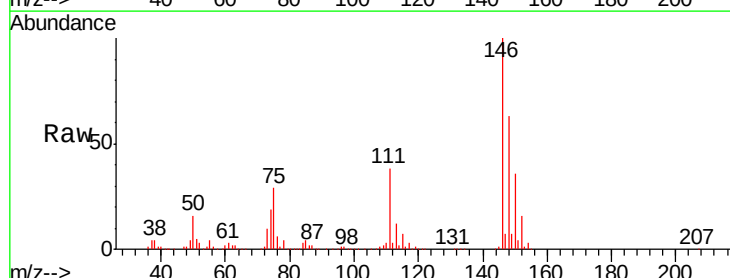
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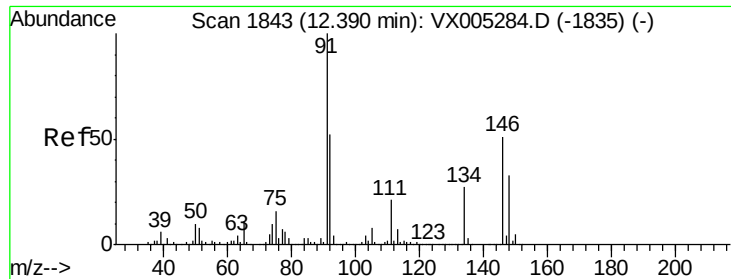
MMDadoda
 10/17/2018 1:58:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.96 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.1
148	64.5	32.0	96.0





#89

n-Butylbenzene

Concen: 18.52 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

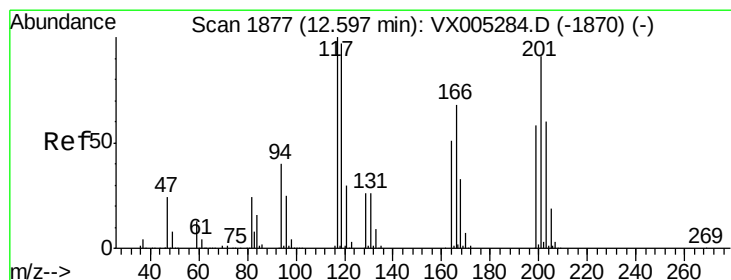
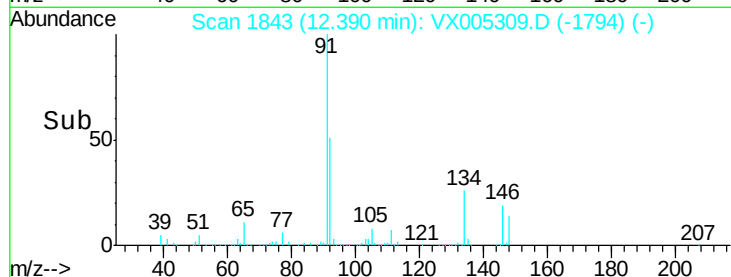
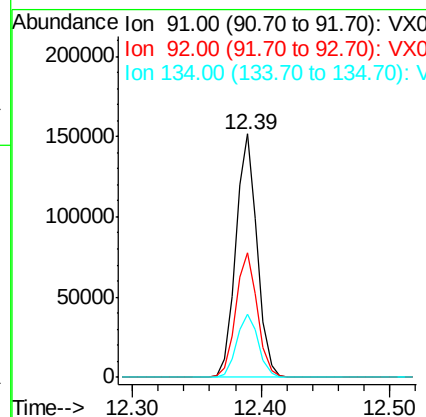
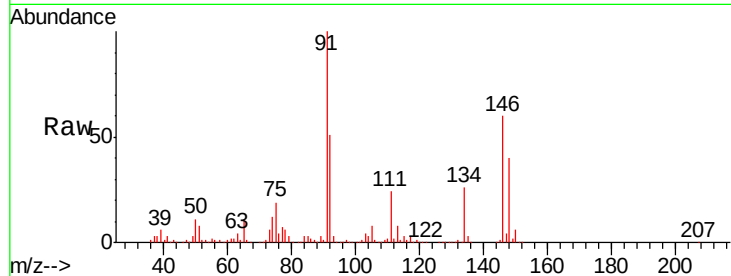
ClientSampleId :

VX1012MBS01

Tgt Ion:	91	Resp:	175317
Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.3	81.9
134	26.4	13.6	40.7

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#90

Hexachloroethane

Concen: 17.97 ug/l

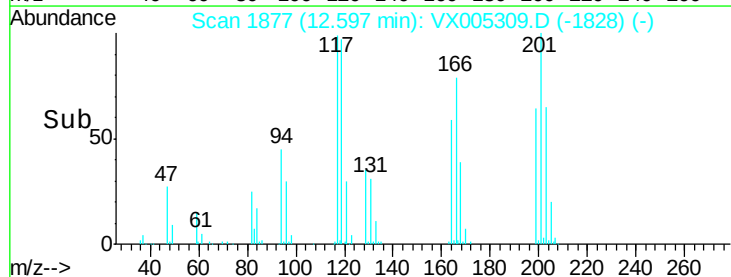
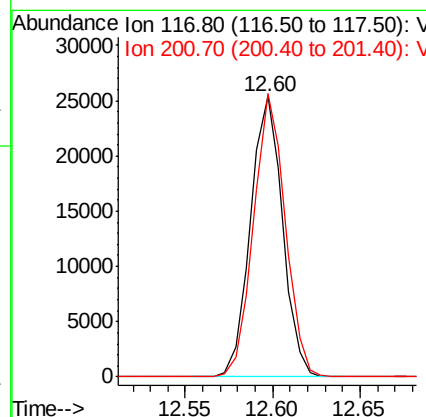
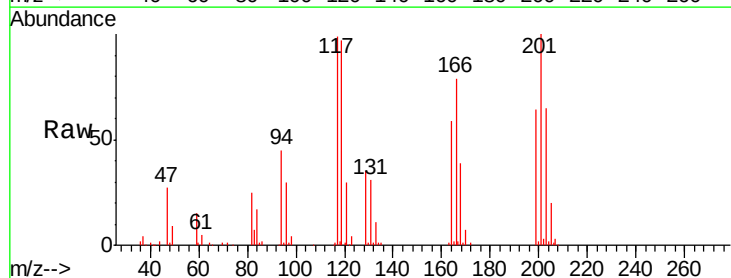
RT: 12.60 min Scan# 1877

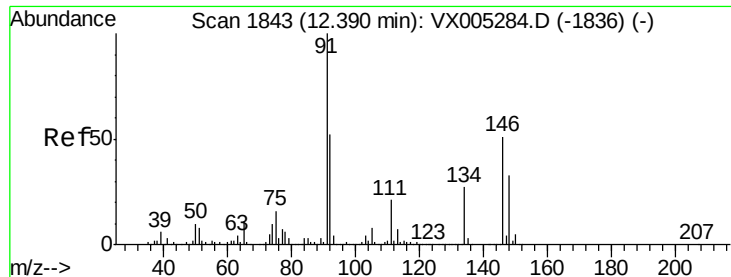
Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	117	Resp:	32284
Ion	Ratio	Lower	Upper
117	100		
201	100.0	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 18.98 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

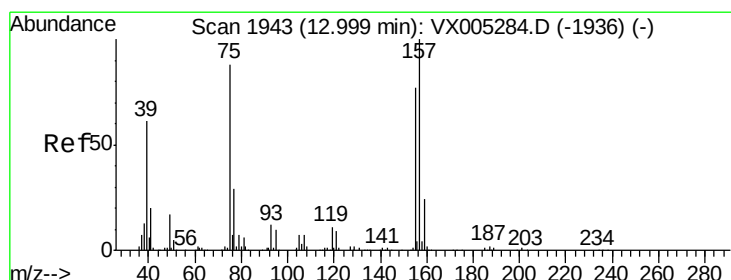
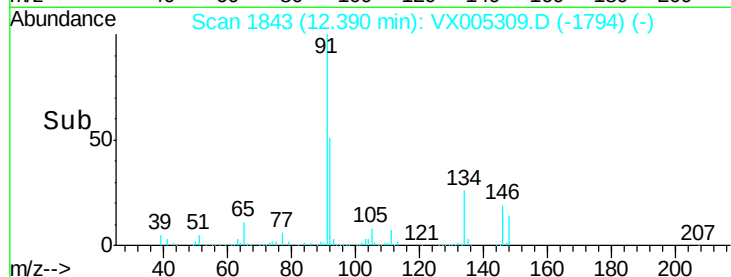
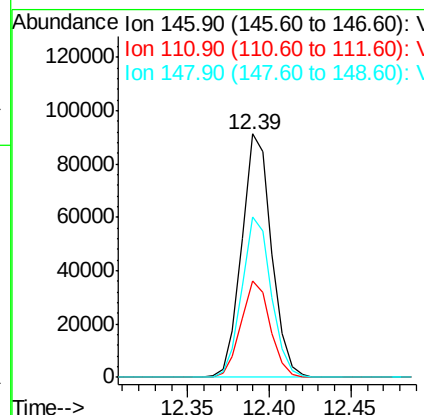
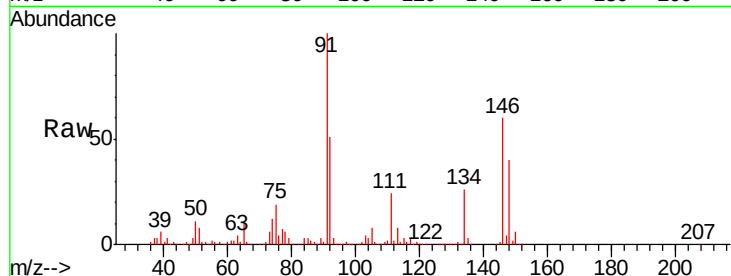
ClientSampleId :

VX1012MBS01

Tgt Ion:	146	Resp:	116284
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.1
148	65.0	32.8	98.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.55 ug/l

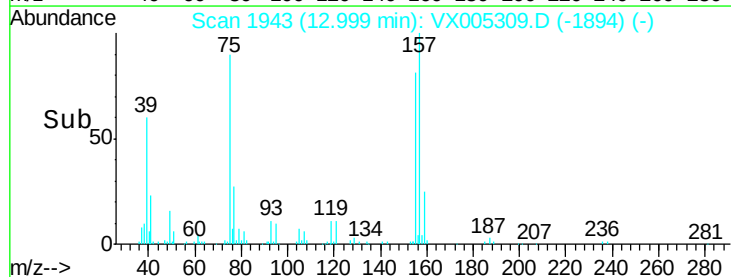
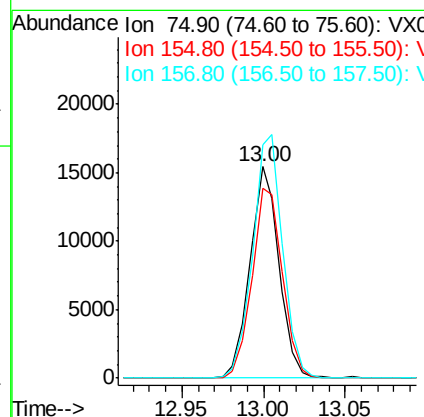
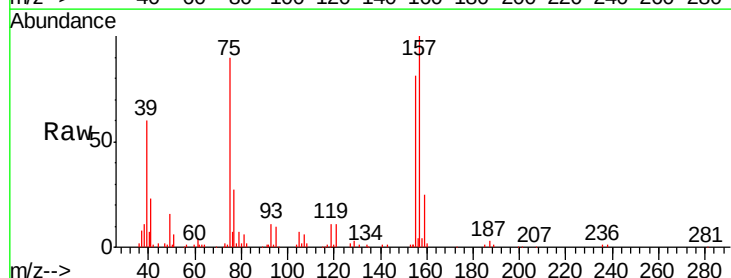
RT: 13.00 min Scan# 1943

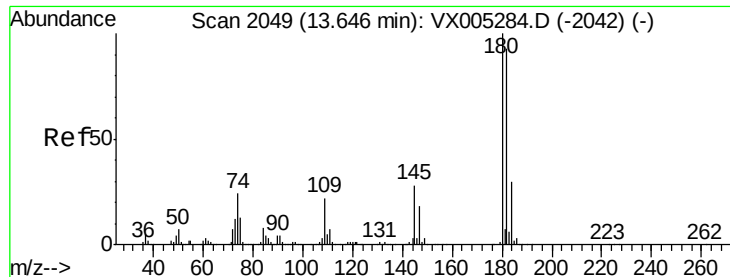
Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	75	Resp:	19177
Ion Ratio	Lower	Upper	
75	100		
155	94.0	48.0	144.2
157	118.5	61.4	184.1





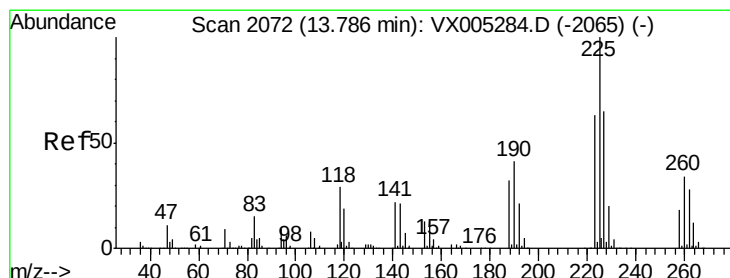
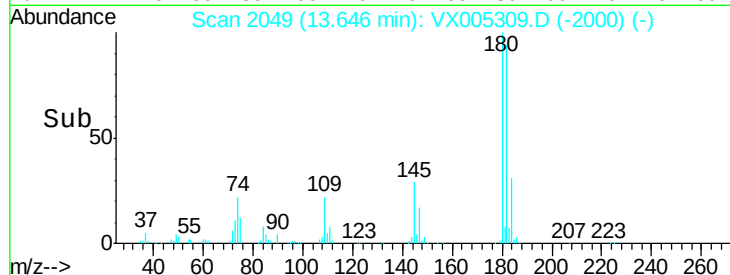
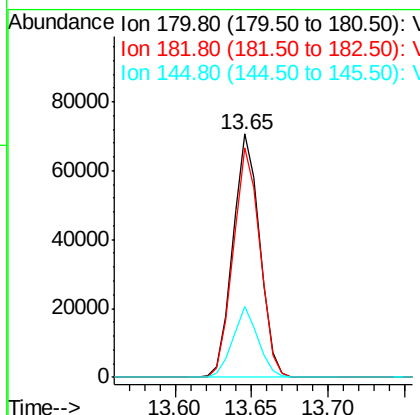
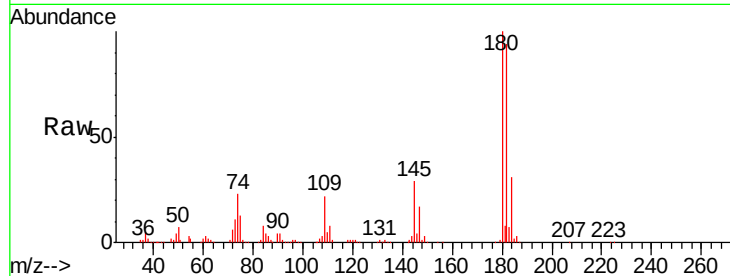
#93
 1,2,4-Trichlorobenzene
 Concen: 18.99 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85362		
182	94.4	48.4	145.0	
145	27.7	14.3	42.9	

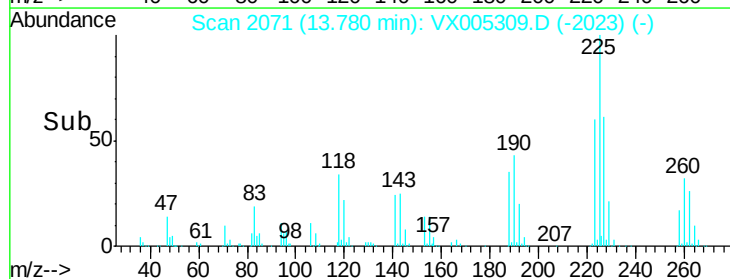
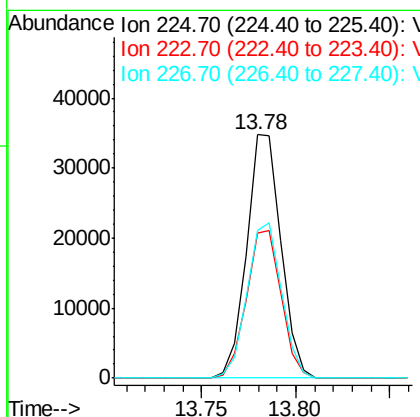
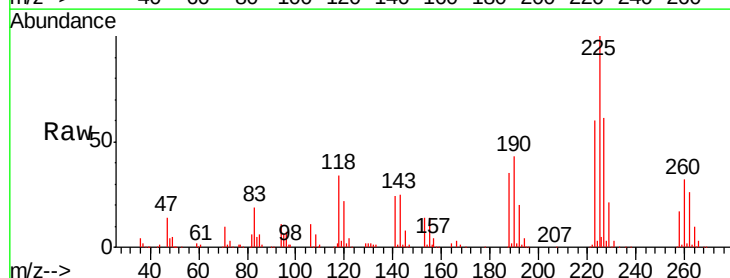
Manual Integrations
 APPROVED

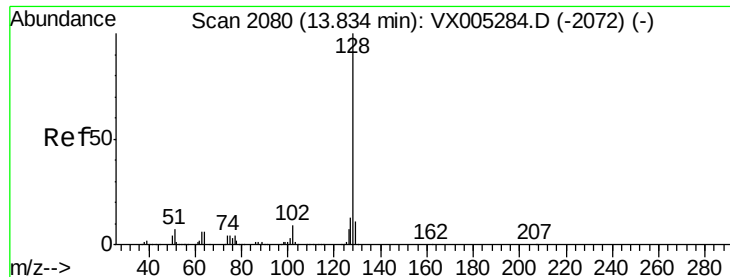
MMDadoda
 10/17/2018 1:58:32 PM



#94
 Hexachlorobutadiene
 Concen: 18.52 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005309.D
 Acq: 12 Oct 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43960		
223	61.5	30.1	90.5	
227	63.9	30.8	92.4	





#95

Naphthalene

Concen: 19.84 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Instrument :

MSVOA_X

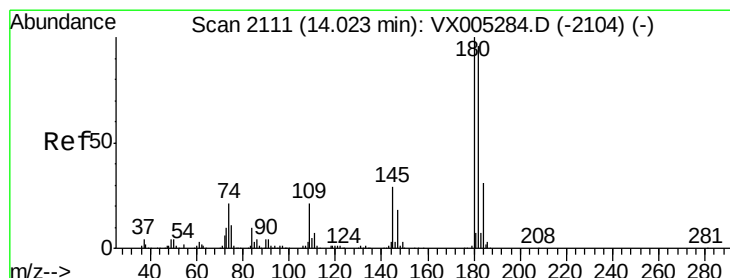
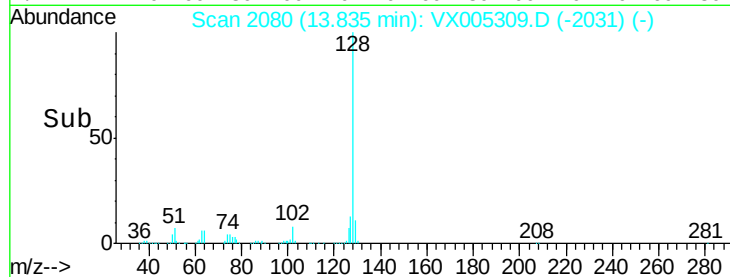
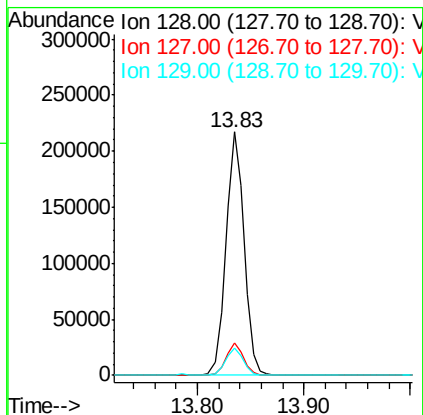
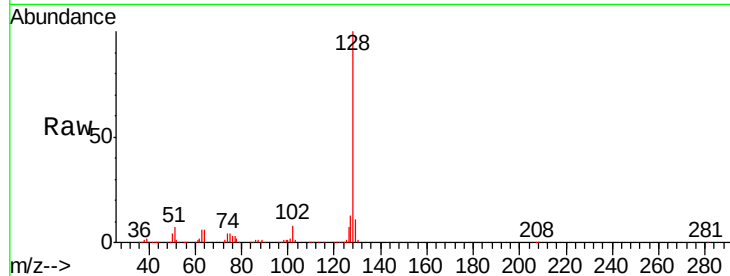
ClientSampleId :

VX1012MBS01

Tgt Ion:	128	Resp:	258620
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 1:58:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.48 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005309.D

Acq: 12 Oct 2018 23:11

Tgt Ion:	180	Resp:	89616
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.5	145.6
145	28.9	14.9	44.9

